

10149139

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NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
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NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
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NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
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NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 25 Feb 26 PCTFULL now contains images  
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 28 Mar 20 EVENTLINE will be removed from STN  
NEWS 29 Mar 24 PATDPAFULL now available on STN  
NEWS 30 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 31 Apr 11 Display formats in DGENE enhanced  
NEWS 32 Apr 14 MEDLINE Reload  
NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS  
NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 36 Apr 28 RDISCLOSURE now available on STN  
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added to PHAR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 08:05:03 ON 06 MAY 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:05:11 ON 06 MAY 2003  
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STRUCTURE FILE UPDATES: 5 MAY 2003 HIGHEST RN 510776-00-8  
DICTIONARY FILE UPDATES: 5 MAY 2003 HIGHEST RN 510776-00-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\10025080.str

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L1 STRUCTURE UPLOADED

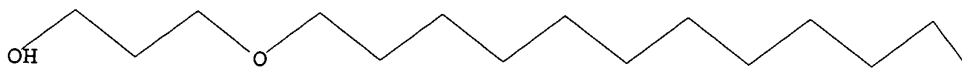
=> que L1

L2 QUE L1

=> d

L2 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.  
L2 QUE ABB=ON PLU=ON L1

=> s l1 full

FULL SEARCH INITIATED 08:05:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 155931 TO ITERATE

100.0% PROCESSED 155931 ITERATIONS  
SEARCH TIME: 00.00.02

6336 ANSWERS

L3 6336 SEA SSS FUL L1

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1006

L4 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10025080.str

L5 STRUCTURE UPLOADED

=> que L5 AND L4

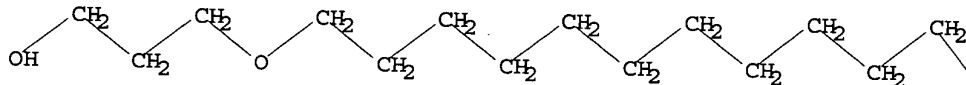
L6 QUE L5 AND L4

=> d

L6 HAS NO ANSWERS

L4 SCR 1006

L5 STR



Structure attributes must be viewed using STN Express query preparation.  
L6 QUE ABB=ON PLU=ON L5 AND L4

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=> s 15 full

FULL SEARCH INITIATED 08:07:26 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 155931 TO ITERATE

100.0% PROCESSED 155931 ITERATIONS  
SEARCH TIME: 00.00.01

13 ANSWERS

L7 13 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

297.50

297.71

FILE 'CAPLUS' ENTERED AT 08:08:02 ON 06 MAY 2003

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FILE COVERS 1907 - 6 May 2003 VOL 138 ISS 19

FILE LAST UPDATED: 5 May 2003 (20030505/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

L8 49 L7

=> d ibib abs hitstr tot

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LB ANSWER 1 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:56133 CAPLUS  
DOCUMENT NUMBER: 138:147207  
TITLE: Alkoxyalkyl esters of cidofovir and cyclic cidofovir  
exhibit multiple-log enhancement of antiviral  
activity  
against cytomegalovirus and herpesvirus replication  
in vitro  
AUTHOR(S): Beadle, James R.; Hartline, Carol; Aldern, Kathy A.;  
Rodriguez, Natalie; Harden, Emma; Kern, Earl R.;  
Hostetler, Karl Y.  
CORPORATE SOURCE: Department of Medicine, Veterans Affairs Medical  
Center, The University of California, San Diego, La  
Jolla, CA, 92093-0676, USA  
SOURCE: Antimicrobial Agents and Chemotherapy (2002), 46(8),  
2381-2386  
CODEN: AMACQ; ISSN: 0066-4804  
PUBLISHER: American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The incidence of cytomegalovirus (CMV) retinitis is declining in AIDS  
patients but remains a significant clin. problem in patients with organ  
transplants and bone marrow transplants. Prophylaxis with ganciclovir  
(GCV) or valganciclovir reduces the incidence of CMV disease but may lead  
to the emergence of drug-resistant virus with mutations in the UL97 or  
UL54 gene. It would be useful to have other types of oral therapy for  
CMV disease. We synthesized hexadecyloxypropyl and octadecyloxyethyl deriva.  
of cyclic cidofovir (cCDV) and cidofovir (CDV) and found that these novel  
analogs had 2.5- to 4-log increases in antiviral activity against CMV  
compared to the activities of unmodified CDV and cCDV. Multiple-log  
increases in activity were noted against lab. CMV strains and various CMV  
clin. isolates including GCV-resistant strains with mutations in the UL97  
and UL54 genes. Preliminary cell studies suggest that the increase in  
antiviral activity may be partially explained by a much greater cell  
penetration of the novel analogs. 1-O-Hexadecyloxypropyl-CDV,  
1-O-octadecyloxyethyl-CDV, and their corresponding cCDV analogs are  
worthy of further preclin. evaluation for treatment and prevention of CMV and  
herpes simplex virus infections in humans.  
IT 17367-36-1  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(alkoxyalkyl esters of cidofovir and cyclic cidofovir exhibit  
antiviral activity against cytomegalovirus and herpesvirus replication in vitro)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}-(\text{CH}_2)_{17}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR  
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

LB ANSWER 2 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:487507 CAPLUS  
DOCUMENT NUMBER: 137:64930  
TITLE: Branched primary alcohol compositions and  
derivatives,  
their preparation for detergents  
INVENTOR(S): Edwards, Charles Lee; Raney, Kirk Herbert; Shpakoff,  
Paul Gregory  
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B.V.,  
Neth.  
SOURCE: PCT Int. Appl., 61 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050006	A2	20020627	WO 2001-EP15143	20011220
WO 2002050006	A3	20021107		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AE, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2002151738	A1	20021017	US 2001-25080	20011219
AU 2002034597	A5	20020701	AU 2002-34597	20011220
PRIORITY APPLN. INFO.:			US 2000-257670P	P 20001221
			WO 2001-EP15143	W 20011220

  
OTHER SOURCE(S): MARPAT 137:64930  
AB A branched alc. compn. comprising a branched ether primary alc.  
Me(CHR1)xCHR2O(CH2)3OH where R1 = H or a hydrocarbyl radical having 1-3 C  
atoms, R2 = hydrocarbyl radical having 1-7 C atoms, x = 0-16, where the  
total no. of C atoms in the alc. is 9-24; and alkyl ether sulfate, alc.  
alkoxyulfate, and alkanol alkoxyulfate deriva. are useful in detergent  
comps. Thus, 0.6 mol of 1-dodecene and 1.8 mol of 1,3-propanediol and  
0.024 mol of toluenesulfonic acid monohydrate were heated to 150.degree.  
for 4 h, and give a 2 phase mixt. from which was sepd.  
3-dodecyloxy-1-propanol (I), selectivity to I was 97%, which was reacted  
with chlorosulfonic acid (0.7 mol) to give an anionic surfactant having  
crit. micelle concn. (25.degree.) 0.062 and surface tension 28 dynes/cm.  
IT 23377-40-4P 81749-13-5P 84337-56-4P  
RL: IMP (Industrial manufacture); RCT (Reactant); PREP (Preparation);  
RACT (Reactant or reagent)  
(branched primary alc. compns. and derivs. for surfactants with good  
cold water soly. and high Ca tolerance)  
RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}-(\text{CH}_2)_{15}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

LB ANSWER 1 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

LB ANSWER 2 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)  
RN 81749-13-5 CAPLUS  
CN 1-Propanol, 3-(tetradecyloxy)- (9CI) (CA INDEX NAME)

 $\text{Me}-(\text{CH}_2)_{13}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

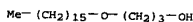
RN 84337-56-4 CAPLUS  
CN 1-Propanol, 3-(dodecyloxy)- (9CI) (CA INDEX NAME)

 $\text{Me}-(\text{CH}_2)_{11}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

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L8 ANSWER 3 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002-240052 CAPLUS  
 DOCUMENT NUMBER: 137:134473  
 TITLE: Enhanced inhibition of orthopoxvirus replication in vitro by alkoxyalkyl esters of cidofovir and cyclic cidofovir  
 AUTHOR(S): Kern, Earl R.; Hartline, Carol; Harden, Emma; Keith, Kathy; Rodriguez, Natalie; Beadle, James R.; Hostetler, Karl Y.  
 CORPORATE SOURCE: University of Alabama School of Medicine, Birmingham, AL, USA  
 SOURCE: Antimicrobial Agents and Chemotherapy (2002), 46(4), 991-995  
 CODEN: AMACQ; ISSN: 0066-4804  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 137:134473  
 AB The nucleotide phosphonates cidofovir (CDV) and cyclic cidofovir (cCDV) are potent antiviral compds. when administered parenterally but are not well absorbed orally. These compds. have been reported to have activity against orthopoxvirus replication in vitro and in animal models when administered parenterally or by aerosol. To obtain better oral activity, we synthesized a novel series of analogs of CDV and cCDV by esterification with two long-chain alkoxyalkanols, 3-hexadecyloxy-1-propanol (HDP-CDV; HDP-cCDV) or 3-octadecyloxy-1-ethanol (ODE-CDV; ODE-cCDV). Their activities were evaluated and compared with those of CDV and cCDV in human foreskin fibroblast (HFF) cells infected with vaccinia virus (VV) or cowpox virus (CV) using a plaque redn. assay. The 50% effective concns. (EC50s) against VV in HFF cells for CDV and cCDV were 46.2 and 50.6 .mu.M compared with 0.84 and 3.8 .mu.M for HDP-CDV and HDP-cCDV, resp. The EC50s for ODE-CDV and ODE-cCDV were 0.20 and 1.1 .mu.M, resp. The HDP analogs were 57- and 13-fold more active than the parent nucleotides, whereas the ODE analogs were 231- and 46-fold more active than the unmodified CDV and cCDV. Similar results were obtained using CV. Cytotoxicity studies indicated that although the analogs were more toxic than the parent nucleotides, the selective index was increased by 4- to 13-fold. These results indicate that the alkoxyalkyl esters of CDV and cCDV have enhanced activity in vitro and need to be evaluated for their oral absorption and efficacy in animal models.  
 IT 23377-40-4, 3-Hexadecyloxy-1-propanol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (enhanced inhibition of orthopoxvirus replication in vitro by alkoxyalkyl esters of cidofovir and cyclic cidofovir)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

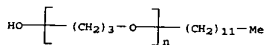


REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L8 ANSWER 4 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001-703336 CAPLUS  
 DOCUMENT NUMBER: 135:243443  
 TITLE: Antistatic moisture-resistant polyvinyl butyral intermediate film for laminated glass  
 INVENTOR(S): Bando, Akihiko  
 PATENT ASSIGNEE(S): Sekisui Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001261384	A2	20010926	JP 2000-84494	20000324
PRIORITY APPLN. INFO.:			JP 2000-84494	20000324

OTHER SOURCE(S): MARPAT 135:243443  
 AB The film contains 100 parts polyvinyl butyral having butyralization degree 62-72 mol% and 0.005-3 parts each of RO[(CH2)20]nH, RO[(CH2)30]nH, and RO[(CH2)40]nH (R = C1-25 hydrocarbyl; n = 1-20). Thus, poly(vinyl butyral) (butyralization degree 69 mol%) 100, a plasticizer 39, C12H25O[(CH2)20]3H 0.5, C12H25O[(CH2)30]3H 0.8, C12H25O[(CH2)40]3H 0.8, and other additives 0.03 part were mixed and press-molded to give a film (surface resistivity 0.04 .OMEGA./cm2), which was sandwiched between 2 glass plates and processed to give a laminated glass showing good interlayer adhesion and whitening resistance after 2 wk in 95%-relative humidity at 80.degree..  
 IT 361145-91-7  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (antistatic moisture-resistant polyvinyl butyral intermediate film contg. polyoxyalkylene monohydrocarbyl ethers for laminated glass)  
 RN 361145-91-7 CAPLUS  
 CN Poly(oxy-1,3-propanediyl), .alpha.-dodecyl-.omega.-hydroxy- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 5 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001-416728 CAPLUS  
 DOCUMENT NUMBER: 135:14356  
 TITLE: Phosphonate compounds, and preparation thereof, for treating medical disorders  
 INVENTOR(S): Hostetler, Karl Y.; Beadle, James R.; Kini, Ganesh D.  
 PATENT ASSIGNEE(S): The Regents of the University of California, San Diego, USA  
 SOURCE: PCT Int. Appl., 47 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001039724	A2	20010607	WO 2000-US33079	20001204
WO 2001039724	A3	20011018		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, 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RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BS, BU, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, GT, GU, HK, HN, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PL, PT, RO, RU, SD, SE,

10149139

L8 ANSWER 6 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2000:182393 CAPLUS  
 DOCUMENT NUMBER: 131:142843  
 TITLE: Synthesis and antiviral evaluation of 1-O-hexadecylpropanediol-3-P-acyclovir: efficacy against HSV-1 infection in mice  
 AUTHOR(S): Beadle, James R.; Kini, Ganesh D.; Aldern, Kathy A.; Gardner, Michael F.; Wright, Kristine N.; Rybak, Rachel J.; Kern, Earl R.; Hostettler, Karl Y.  
 CORPORATE SOURCE: Department of Medicine, University of California, San Diego, La Jolla, CA, 92093-0676, USA  
 SOURCE: Nucleosides, Nucleotides & Nucleic Acids (2000), 19(1 & 2), 471-479  
 CODEN: NNNAPY; ISSN: 1525-7770  
 PUBLISHER: Marcel Dekker, Inc.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB 1-O-hexadecylpropanediol-3-P-acyclovir, an orally bioavailable lipid produg of acyclovir was synthesized and evaluated for in vitro and in vivo activity against herpes simplex virus infections. Although 1-O-hexadecylpropanediol-3-P-acyclovir was less active in vitro than acyclovir, on a molar basis it was 2.4 times more active orally in preventing mortality from acute HSV-1 infection in mice. In vitro, 1-O-hexadecylpropanediol-3-P-acyclovir was also more active than acyclovir in a thymidine kinase neg. mutant strain of HSV-1 (DN21) and had somewhat higher activity in cytomegalovirus infection in vitro due to its ability to bypass thymidine kinase.  
 IT 23377-40-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (synthesis and antiviral evaluation of 1-O-hexadecylpropanediol-3-P-acyclovir and efficacy against HSV-1 infection in mice)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{15}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L8 ANSWER 8 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1998:608629 CAPLUS  
 DOCUMENT NUMBER: 129:216858  
 TITLE: Preparation of nucleoside phosphonates as antivirals  
 INVENTOR(S): Rosowsky, Andre; Hostettler, Karl Y.; Beadle, James R.;  
 PATENT ASSIGNEE(S): Kini, Ganesh D.; Richman, Douglas D.; Dana-Farber Cancer Institute, USA; The Regents of the University of California  
 SOURCE: PCT Int. Appl., 56 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9838202	A1	19980903	WO 1998-US3605	19980226
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE AU 9866665	A1	19980918	AU 1998-66665	19980226
PRIORITY APPLN. INFO.:			US 1997-808847	19970228
			WO 1998-US3605	19980226

OTHER SOURCE(S): MARPAT 129:216858  
 AB The invention provides lipophilic phosphono-acid/nucleoside conjugates that exhibit exceptional antiviral activity, including activity against drug-resistant HIV strains. Comps. of the invention include phosphono-acid/nucleoside conjugates  $\text{ROC}(\text{W})(\text{CX})\text{mP}(\text{W}_1)(\text{OR}_2)$ , where R-R2 are alkyl, alkenyl, alkynyl, alkoxy, alkylthio, alkylsulfinyl, nucleoside; X, Y are independently H, OH, sulphydryl, amino, alkyl, alkenyl, alkynyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino; W, W1 are independently O, S, Se; m = 0, 1. Thus, 3'-azido-3'-deoxy-5'-O-(1-icosanyloxy)carboxyloxyphosphinylthymidine was prepd. and tested for its antiviral activity in CEM cells (TC50 = 36 %muM).  
 IT 23377-40-4, 3-Hexadecyloxy-1-propanol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (prepn. of nucleoside phosphonates as antivirals)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{15}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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L8 ANSWER 7 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1999:583158 CAPLUS  
 DOCUMENT NUMBER: 131:214003  
 TITLE: Preparation carboxylic acids by oxidation of primary alcohols  
 INVENTOR(S): Murahashi, Shunichi; Takahashi, Masakatsu  
 PATENT ASSIGNEE(S): Kao Corp., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

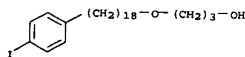
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11246473	A2	19990914	JP 1998-46783	19980227
PRIORITY APPLN. INFO.:			JP 1998-46783	19980227
OTHER SOURCE(S):			CASREACT 131:214003; MARPAT 131:214003	
AB R1A1CH2OH [R1 = C4-22 (OH- or halo-substituted) linear or branched alkyl, alkenyl, C6-18 alkylphenyl; A1 = ether group, amino group, imino group, amide group, OH, polyoxyethylene group, etc.] or R2CH2OH (R2 = C4-22 branched alkyl, C4-22 linear or branched alkenyl, hydroxyalkyl, haloalkyl, C6-18 alkylphenyl) are oxidized in the presence of .gtoreq.1 catalysts (A) chosen from compds. comprising Co0, Co2+, Fe2+, Fe3+, Cu2+, Mn2+, or Ni2+, .gtoreq.1 catalysts (B) chosen from Ru, Cr, Mo, V, Mn, Fe, Ni, Cu, Pd, W and their compds. (A .noteq. B), and R3CHO [R3 = C1-22 linear or branched alkyl, alkenyl (substituted) Ph, benzyl, cycloalkyl]. 2-Dodecyloxyethanol was oxidized in the presence of Co(OAc)2, RuCl3, and acetaldehyde in ACOT at 35.degree. for 2.5 h to give 2% dodecyloxyacetic acid. IT 84337-56-4 RL: RCT (Reactant); RACT (Reactant or reagent) (prepn. carboxylic acids by oxidn. of primary alcs. in the presence of aldehydes) RN 84337-56-4 CAPLUS CN 1-Propanol, 3-(dodecyloxy)- (9CI) (CA INDEX NAME)				

 $\text{Me}^-(\text{CH}_2)_{11}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

L8 ANSWER 9 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1998:394247 CAPLUS  
 DOCUMENT NUMBER: 129:64975  
 TITLE: Radiolabeled phospholipid ether analogs and methods of using the same  
 INVENTOR(S): Counsell, Raymond E.; Longino, Marc A.; Pinchuk, Anatoly N.; Rampy, Mark A.; Weichert, Jamey P.  
 PATENT ASSIGNEE(S): Regents of the University of Michigan, USA; Counsell, Raymond E.; Longino, Marc A.; Pinchuk, Anatoly N.; Rampy, Mark A.; Weichert, Jamey P.  
 SOURCE: PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9824480	A1	19980611	WO 1996-US19352	19961204
W: CA, JP, US				
US 6255519	B1	20010703	US 1999-319406	19990920
US 2002065429	A1	20020530	US 2001-898178	20010703
US 6417384	B2	20020709		
PRIORITY APPLN. INFO.:			WO 1996-US19352 W	19961204
			US 1999-319406 A3	19990920

OTHER SOURCE(S): MARPAT 129:64975  
 AB Improved radiolabeled phospholipid ether analogs are described which demonstrate significant tumor avidity and longer plasma half-life than shorter-chain analogs, providing superior imaging and visualization of neoplastic lesions and tumor-specific cytotoxic cancer therapy.  
 IT 208986-29-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and biodistribution and structure activity of radiolabeled phospholipid ether analogs for tumor therapy and imaging)  
 RN 208986-29-2 CAPLUS  
 CN 1-Propanol, 3-[[18-(4-iodophenyl)octadecyl]oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
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Kamal Saeed

L8 ANSWER 10 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:734048 CAPLUS  
DOCUMENT NUMBER: 128:41830  
TITLE: Mesophases in long chain alkoxy alcohol/ortho-phosphoric acid systems  
AUTHOR(S): Krishnamurthy, K. S.; Balakrishnan, R.  
CORPORATE SOURCE: Appl. Sci. Dep., Coll. of Military Eng., Pune, 411031, India  
SOURCE: Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (1997), 301, 403-409  
CODEN: MCLCE9; ISSN: 1058-725X  
PUBLISHER: Gordon & Breach  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Optical, DSC and x-ray studies show that  $C_nH_{2n+1}OC_nH_{2m}OH$  ( $n = 16; m = 4; n = 18$  and  $20, m = 2$  and  $3; n = 22, m = 3$ )/aq.  $H_3PO_4$  systems exhibit mesophases in the order middle-viscous isotropic-lamellar-gel. The low temp. gel displays characteristically the chevron pattern due to an undulation instability of bilayers; it is possibly caused by hydrocarbon chain elongation and stiffening.  
IT 23377-41-5 29506-18-1  
RI: PRP (Properties)  
(mesophases in long chain alkoxy alc./aq. phosphoric acid systems)  
RN 23377-41-5 CAPLUS  
CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 29506-18-1 CAPLUS  
CN 1-Propanol, 3-(eicosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>19</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 11 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 81749-13-5 CAPLUS  
CN 1-Propanol, 3-(tetradecyloxy)- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>13</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 84337-56-4 CAPLUS  
CN 1-Propanol, 3-(dodecyloxy)- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>11</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 11 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1997:586439 CAPLUS  
DOCUMENT NUMBER: 127:287683  
TITLE: Alkoxy propane prodrugs of foscarnet: effect of alkyl chain length on in vitro antiviral activity in cells infected with HIV-1, HSV-1 and HCMV  
AUTHOR(S): Kini, Ganesh D.; Beadle, James R.; Xie, Hong; Aldern, Kathy A.; Richman, Douglas D.; Y. Hostetler, Karl  
CORPORATE SOURCE: Department of Medicine, University of California, San Diego, La Jolla, CA, 92093-0676, USA  
SOURCE: Antiviral Research (1997), 36(1), 43-53  
CODEN: ARSDR; ISSN: 0166-3542  
PUBLISHER: Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The identification of more effective and less toxic foscarnet (PFA) analogs for antiviral therapy would be useful. We recently synthesized 1-o-octadecyl-sn-glycero-3-phosphonofomric acid (ODG-PFA) and noted a 93-fold increase in its anti-HCMV activity relative to PFA. In addn., the antiviral activity of ODG-PFA in herpes simplex virus type-1 (HSV-1) and human immunodeficiency virus type-1 (HIV-1) infected cells was increased 40-fold relative to PFA (Hostetler et al., 1996). To evaluate structure-activity relationships further, we synthesized alkoxypropyl esters of foscarnet with varying alkyl chain lengths and degrees of satn. These compds. were tested in vitro for activity and selectivity in comparison with PFA and ODG-PFA in cells infected with HCMV, HSV-1 or HIV-1. Antiviral activity was strongly dependent on chain length with alkyl ethers 14-18 carbon atoms long exhibiting the greatest antiviral activity against HCMV and HSV-1. In HIV-infected HT4-6C cells, optimal activity was obsd. at 18-22 carbon chain lengths. The antiviral activities of 1-octadecyloxypropane-3-PFA and 1-docosyloxypropane-3-PFA were 135- and 338-fold greater than that of PFA in HT4-6C cells infected with HIV-1. This also represents a 2.6-6-fold improvement in antiviral activity over ODG-PFA, the previously reported analog.  
IT 23377-41-5 29506-18-1  
RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and antiviral structure-activity relations of foscarnet prodrugs)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

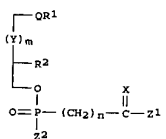
RN 23377-41-5 CAPLUS

L8 ANSWER 12 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:566510 CAPLUS  
DOCUMENT NUMBER: 125:292238  
TITLE: Synthesis and antiproliferative activity of cytidine-5'-alkylphosphonophosphates and structurally related compounds  
AUTHOR(S): Brachwitz, H.; Lachmann, U.; Thomas, Y.; Bergmann, J.; Berdel, W. E.; Langen, P.  
CORPORATE SOURCE: Freie Universitaet Berlin, Universitaetsklinikum Benjamin Franklin, Abt. Haematologie und Onkologie, Berlin, Germany  
SOURCE: Chemistry and Physics of Lipids (1996), 83(1), 77-85  
CODEN: CPLIA4; ISSN: 0009-3084  
PUBLISHER: Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The chem. synthesis of cytidine-5'-alkyl- and cytidine-5'-alkyl(acyl)deoxyglycerophosphonophosphates is reported. The compds. obtained represent a novel class of cytostatically active agents based on phospholipids, which inhibit the growth of various tumor cell lines in vitro. They are phosphono analogs of the cytidine-5'-diphosphate: diacylglycerol (CDP-DAG) possessing a structurally modified lipid moiety and a phospholipase C resistant P-C bond. The antiproliferative efficacy of the cytidine-5'-alkylphosphonophosphates strongly depends on the alkyl chain length. The cytidine-5'-hexadecylphosphonophosphate was the most effective compd. tested in this study. Its cytostatic effect was distinctly higher than that of the alkyl(acyl)deoxyglycero derivs. and of the corresponding diphosphates. The structures of the new compds. were confirmed by fast atom bombardment mass spectrometry (FAB).  
IT 23377-40-4  
RI: RCT (Reactant); RACT (Reactant or reagent)  
(prepn. and structure activity of cytidine hexadecylphosphonophosphates as antitumor agents)  
RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

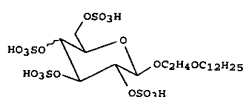
L8 ANSWER 13 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:476775 CAPLUS  
 DOCUMENT NUMBER: 125:143217  
 TITLE: Preparation of glycerophospholipids as virucides  
 INVENTOR(S): Hostetler, Karl Y.; Kini, Ganesh D.  
 PATENT ASSIGNEE(S): Regents of the Univ. of California, USA  
 SOURCE: PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9615132	A1	19960523	WO 1995-US14940	19951115
W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5696277	A	19971209	US 1994-340161	19941115
CA 2205136	AA	19960523	CA 1995-2205136	19951115
AU 9641635	A1	19960606	AU 1996-41635	19951115
AU 700651	B2	19990114		
EP 792275	A1	19970903	EP 1995-940014	19951115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10508858	T2	19980902	JP 1995-516340	19951115
US 6002029	A	19991214	US 1997-986881	19971208
PRIORITY APPLN. INFO.: US 1994-340161 19941115				
WO 1995-US14940 19951115				
OTHER SOURCE(S): MARPAT 125:143217				

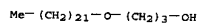


AB Glycerophospholipids I [Q = O, S; R1 = alkyl, (un)substituted alkenyl; Y = CHR2, m = 0-6; R2 = R1, alkylamine, amido, OH, H, OMe, OBn, SH, SMe, NH2, halogen; Z1, Z2 = alc., alkyl, Bn, aminoalkyl, pentose, hexose; X = O, S,

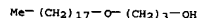
L8 ANSWER 14 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:741469 CAPLUS  
 DOCUMENT NUMBER: 124:9234  
 TITLE: Synthesis of sulfated cerebroside analogs having mimics of ceramide and their anti-human immunodeficiency virus type 1 activities  
 AUTHOR(S): Yoshida, Hiroyuki; Ikeda, Kiyoshi; Achiwa, Kazuo; Hoshino, Hiroo  
 CORPORATE SOURCE: School Pharmaceutical Sciences, Univ. Shizuoka, Shizuoka, 422, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (1995), 43(4), 594-602  
 CODEN: CPBTAL; ISSN: 0009-2363  
 PUBLISHER: Pharmaceutical Society of Japan  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



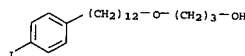
AB Various sulfated cerebroside analogs, e.g. I, which are mimics of cerebroside, have been prepd. from per-O-acetylated D-glucose, per-O-acetylated D-galactose, and per-O-acetylated D-lactose with ethyleneglycol dodecyl ether, 3-docosyloxy-1-propanol, 2-hydroxymethyl-1,3-O-dimyrystyl-1,3-propanediol, and L-serine diamide deriva. as ceramide moieties. The synthesized sulfated glycolipids showed anti-HIV-1 activities.  
 IT 23377-41-59  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (synthesis of sulfated cerebroside analogs having mimics of ceramide and their anti-HIV-1 activities)  
 RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)



L8 ANSWER 13 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 Se; n = 0, 1). Thus, antiviral activity of 1-O-octadecyl-sn-glycero-3-phosphonoformate (IC50 = 0.43 .mu.M) is reported.  
 IT 17367-36-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (prepn. of glycerophospholipids as virucides)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



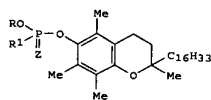
L8 ANSWER 15 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:702529 CAPLUS  
 DOCUMENT NUMBER: 123:192504  
 TITLE: Synthesis and biological evaluation of radioiodinated phospholipid ether analogs  
 AUTHOR(S): R. S.; Gross, M. D.; Fisher, S.; Wahl, R.; Counsell, R. E.  
 CORPORATE SOURCE: Medical School, University of Michigan, Ann Arbor, MI  
 SOURCE: 48109-0632, USA  
 Nucleic Acid Research (1995), 22(4), 505-12  
 CODEN: NMBIEO; ISSN: 0883-2897  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Previous work has shown that radioiodinated phospholipid ether analogs with the iodine-125 substituted on the meta position of the arom. ring readily localized in a variety of animal tumors. In an effort to ascertain the importance of such meta substitution, three phospholipid ether analogs with the iodine-125 in the para position were synthesized for evaluation as potential tumor-localizing imaging agents. 12-(p-Iodophenyl)dodecyl phosphocholine, 1-O-[12-(p-Iodophenyl)dodecyl]-1,3-propanediol-3-phosphocholine, and 1-O-[12-(p-Iodophenyl)dodecyl]-2-O-methyl-3-rac-glycerophosphocholine were synthesized and labeled with iodine-125 via an isotope exchange procedure. Similar to previous results with the meta substituted analogs, tissue distribution studies with the three para analogs demonstrated tumor localization and retention of radioactivity at 24 h after i.v. injection. In all three cases, the para isomers showed greater tumor avidity than the meta isomers and clearance of the radiotracer from the tumor was much slower than the clearance from nontarget tissue. 12-(p-Iodophenyl)dodecyl phosphocholine afforded the greatest tumor-to-nontarget tissue ratio. For example, the tumor-to-blood and tumor-to-liver ratios at 24 h were 10.96 and 1.85, resp. As a result of such selective tumor retention, it was possible to clearly delineate the tumor using gamma-camera scintigraphy.  
 IT 167634-97-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (synthesis, biodistribution and tumor uptake of radioiodinated phospholipid ether analogs)  
 RN 167634-97-1 CAPLUS  
 CN 1-Propanol, 3-[[12-(4-iodophenyl)dodecyl]oxy]- (9CI) (CA INDEX NAME)



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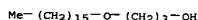
L8 ANSWER 16 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1993:472877 CAPLUS  
 DOCUMENT NUMBER: 119:72877  
 TITLE: O-Alkyl diol O-, S-, and Se-phosphoramidates of DL- $\alpha$ -tocopherol and their dimethylaminoalkyl derivatives as diester and triester models of phospholipids  
 AUTHOR(S): Stamatov, Stephan D.; Gronowitz, Salo  
 CORPORATE SOURCE: Dep. Org. Chem. Technol., Univ. Plovdiv, Plovdiv, 4000, Bulg.  
 SOURCE: Lipids (1993), 28(4), 351-4  
 CODEN: LPDSAP; ISSN: 0024-4201  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI

L8 ANSWER 16 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

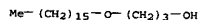


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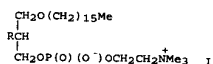
AB Hexamethyltriester of phosphorous acid, activated by addn. of iodine at  
 an optimal molar ratio of 1.05:0.05, was used as a phosphorylating reagent  
 to synthesize 1-hexadecyloxyethyl-2-O-, 1-hexadecyloxypropyl-3-O-, and  
 1-hexadecyloxybutyl-4-O- (DL- $\alpha$ -tocopheryl-6-O)-(N,N-dimethylamido)selenophosphate, -thiophosphate and -phosphate derivs. 1 (2  
 = O, S, Se, R = hexadecyloxyethyl, hexadecyloxypropyl, hexadecyloxybutyl,  
 R1 = Me2N), and some of their 2-dimethylaminoethyl-1-O-, and  
 3-dimethylaminopropyl-1-O-triester analogs in a "one-pot procedure" in  
 overall yields of 69-87%. Activation of the reaction with an equimolar  
 mixt. of imidazole and carbon disulfide at the triester formation step  
 permits selective phosphorylation at room temp. The compds. synthesized  
 represent new diester and triester models contg. alkyl ether  
 diol phospholipid structures.  
 IT 23377-40-4, 1-[(3-Hydroxypropyl)oxy]hexadecane  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with hexamethylphosphorus triamide and tocopherol)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



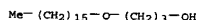
L8 ANSWER 17 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1993:228739 CAPLUS  
 DOCUMENT NUMBER: 118:228739  
 TITLE: A convenient spectrophotometric method for measuring the kinetic parameters of glyceryl-ether monooxygenase  
 AUTHOR(S): (EC 1.14.16.5)  
 CORPORATE SOURCE: Kosar-Hachemi, Behjat; Armarego, Wilfred L. F. John Curtin Sch. Med. Res., Aust. Natl. Univ., Canberra, Australia  
 SOURCE: Biological Chemistry Hoppe-Seyler (1993), 374(1), 9-25  
 CODEN: BCHSEI; ISSN: 0177-3593  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Details of a direct spectrophotometric method for assaying glyceryl-ether monooxygenase activity are described. The assay has several advantages over previous methods including the convenient detn. of the kinetic parameters of lipid substrates and tetrahydropterin cofactors with acceptable accuracy. The apparent Km and Vmax values have been measured for (RS)6-methyl- and (RS)6,7-dimethyl-5,6,7,8-tetrahydropterins and 6R-tetrahydrobiopterin as well as twelve lipid ethers including lyso-PAF (platelet activating factor), and the V/K values are a better index for comparing substrate efficiencies. The monooxygenase activities of a variety of assorted lipids are also compared with RS-batyl alc., some of which are weak inhibitors. The effects of monooxygenase activity by various concns. of six detergents are compared and showed that Mega-10 is the most satisfactory for solubilizing alkyl ether substrates at low concns. (.apprx.0.08%) of detergent. The syntheses of a variety of ether lipids used in this work, together with their 1H-NMR and IR spectra, are described.  
 IT 23377-40-49  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and reaction kinetics with glyceryl-ether monooxygenase)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



L8 ANSWER 18 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1992:511934 CAPLUS  
 DOCUMENT NUMBER: 117:111934  
 TITLE: NMR spectral analysis of cytotoxic ether lipids  
 AUTHOR(S): Dick, Diane; Pluskey, Scott; Sukumaran, Dinesh K.; Lawrence, David S.  
 CORPORATE SOURCE: Dep. Chem., State Univ. New York, Buffalo, NY, 14214, USA  
 SOURCE: Journal of Lipid Research (1992), 33(4), 605-9  
 CODEN: JLPRAW; ISSN: 0022-2275  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB The ether lipids I (R = OMe, H, OCH2Ph, OH) were prepd. from the alcs. by phosphorylation and amination and their complete 1H- and 13C-NMR assignment is reported.  
 IT 23377-40-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (phosphorylation and amination of)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



Kamal Saeed

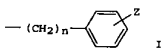
10149139

LS ANSWER 19 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1992:231327 CAPLUS  
DOCUMENT NUMBER: 116:231327  
TITLE: Preparation of radioiodinated phosphate esters as tumor-imaging agents  
INVENTOR(S): Counsell, Raymond E.; Meyer, Karen L.; Schwendner, Susan W.; Haradahira, Terushi  
PATENT ASSIGNEE(S): University of Michigan, USA  
SOURCE: U.S., 24 pp. Cont.-in-part of U.S. Ser. No. 573,586, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5087721	A	19920211	US 1990-602157	19901022
US 4965391	A	19901023	US 1987-112865	19871023
US 5347030	A	19940913	US 1992-833303	19920210
US 5795561	A	19980818	US 1994-304259	19940912

PRIORITY APPLN. INFO.: US 1987-112865 19871023  
US 1990-573586 19900827  
US 1990-602157 19901022  
US 1992-833303 19920210

OTHER SOURCE(S): MARPAT 116:231327  
GI



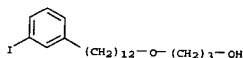
AB The title compds. YCH<sub>2</sub>CH<sub>2</sub>OP(O)(OH)OX (Y = NH<sub>2</sub>, NR<sub>2</sub>, NR<sub>3</sub>, NR<sub>2</sub>R<sub>1</sub>; R<sub>1</sub> = I; Z = 125I, 123I, 125I, 131I; n = 1-15; X = alkyl, I) are prepd. as tumor-imaging agents, esp. suitable for gamma-ray scintigraphy, or as radiopharmaceuticals. 1-[(12-(m-iodophenyl)dodecyl)-3-(2-bromoethyl)phosphoryl]propane (prepn. given) was reacted with NMe<sub>3</sub> in CHCl<sub>3</sub>-isopropanol-DMF in the presence of Ag<sub>2</sub>CO<sub>3</sub> to give 1-O-[(12-(m-iodophenyl)dodecyl)propanediol-3-O-phosphocholine. This was labeled with 125I, by isotope exchange, and injected into rats with Walker 256 sarcoma to show strong accumulation in the tumor.  
IT 134557-24-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, with bromoethyl dichlorophosphate)  
RN 134557-24-7 CAPLUS  
CN 1-Propanol, 3-[(12-(3-iodophenyl)dodecyl)oxy]- (9CI) (CA INDEX NAME)

LS ANSWER 20 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1991:429839 CAPLUS  
DOCUMENT NUMBER: 115:29839  
TITLE: Preparation of radioiodinated phospholipid ether analogs as tumor imaging agents  
INVENTOR(S): Counsell, Raymond E.; Meyer, Karen L.; Schwendner, Susan W.  
PATENT ASSIGNEE(S): University of Michigan, USA  
SOURCE: U.S., 17 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

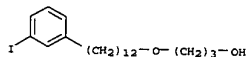
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4965391	A	19901023	US 1987-112865	19871023
US 5087721	A	19920211	US 1990-602157	19901022
US 5347030	A	19940913	US 1992-833303	19920210
US 5795561	A	19980818	US 1994-304259	19940912

PRIORITY APPLN. INFO.: US 1987-112865 19871023  
US 1990-573586 19900827  
US 1990-602157 19901022  
US 1992-833303 19920210

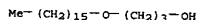
OTHER SOURCE(S): MARPAT 115:29839  
AB R<sub>1</sub>(CH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>CHYCH<sub>2</sub>OP(O)(OH)OCH<sub>2</sub>CH<sub>2</sub>Z [I; R<sub>1</sub> = 3-XC<sub>6</sub>H<sub>4</sub>; X = radioiodo; Y = H, OH, RCO<sub>2</sub>, OR; R = alkyl, aralkyl; Z = NH<sub>2</sub>, NR<sub>2</sub>, NR<sub>3</sub>; n = 1-15] and I in which R<sub>1</sub> = Me and Y = R<sub>2</sub>CO or R<sub>2</sub>CO<sub>2</sub> [R<sub>2</sub> = 4-XC<sub>6</sub>H<sub>4</sub>(CH<sub>2</sub>)<sub>m</sub>; m = 0-15] were prepd. Thus, PhCH<sub>2</sub>OCH<sub>2</sub>CH(OMe)CH<sub>2</sub>OH (prepn. given) was condensed with 3-IC<sub>6</sub>H<sub>4</sub>(CH<sub>2</sub>)<sub>11</sub>CH<sub>2</sub>OSO<sub>2</sub>Me (prepn. given) and the product debenzylated to give 3-IC<sub>6</sub>H<sub>4</sub>(CH<sub>2</sub>)<sub>11</sub>CH<sub>2</sub>OCH<sub>2</sub>CH(OMe)CH<sub>2</sub>OH which was condensed with Cl<sub>2</sub>P(O)OCH<sub>2</sub>CH<sub>2</sub>Br and the product treated with Me<sub>3</sub>N to give 3-IC<sub>6</sub>H<sub>4</sub>(CH<sub>2</sub>)<sub>11</sub>CH<sub>2</sub>OCH<sub>2</sub>CH(OMe)CH<sub>2</sub>OP(O)(O)-(O)CH<sub>2</sub>CH<sub>2</sub>NMe<sub>3</sub> (II).  
125I-exchanged  
II was present at 1.115% of dose/g tissue in Walker 256 sarcoma tissue in rat 24 h after i.v. administration.  
IT 134557-24-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of, in prepn. of tumor imaging agent)  
RN 134557-24-7 CAPLUS  
CN 1-Propanol, 3-[(12-(3-iodophenyl)dodecyl)oxy]- (9CI) (CA INDEX NAME)



LS ANSWER 19 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)



LS ANSWER 21 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1990:591874 CAPLUS  
DOCUMENT NUMBER: 113:191874  
TITLE: Halo lipids. 10. Synthesis and cytostatic activity of O-alkylglycerophospho-L-serine analogs  
AUTHOR(S): Brachwitz, H.; Langen, P.; Dube, G.; Schildt, J.; Faltauf, F.; Hermetter, A.  
CORPORATE SOURCE: Zentralinst. Molekularbiol., Akad. Wiss. DDR, Berlin, GDR-1115, Ger. Dem. Rep.  
SOURCE: Chemistry and Physics of Lipids (1990), 54(2), 89-98  
CODEN: CPLIA4; ISSN: 0009-3084  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 113:191874  
AB The synthesis of O-alkylglycerophospho-L-serine analogs e.g. H-Ser[P(O)(OH)OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>R<sub>1</sub>]-OH [I; R = Me(CH<sub>2</sub>)<sub>15</sub>O, R<sub>1</sub> = Cl, CF<sub>3</sub>CH<sub>2</sub>O, F; R = Me(CH<sub>2</sub>)<sub>17</sub>O, R<sub>1</sub> = MeO; R = CF<sub>3</sub>CH<sub>2</sub>O, Cl, R<sub>1</sub> = Me(CH<sub>2</sub>)<sub>15</sub>O], is described, which represent a new class of cytostatically active agents based on phospholipids. The new compds. were obtained by conversion of O-alkylglycerophosphoric ester analogs with phospholipase D and by condensing O-alkylglycerophosphoric acid analogs with protected L-serine followed by the removal of protective groups of the resulting intermediates. The structures of I were confirmed by fast atom bombardment mass spectrometry. I inhibit the growth of Ehrlich ascites tumor cells in vitro. Half max. inhibition was obsd. at concns. between 7 and 15 .mu.M. With most of the substances, tested growth was completely inhibited at a concn. of 40 .mu.M.  
IT 23377-40-4P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and phosphorylation of, with dichloroethylphosphate)  
RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



Kamal Saeed

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L8 ANSWER 22 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1990:407237 CAPLUS  
DOCUMENT NUMBER: 111:7237  
TITLE: Study of the mixed monolayers of poly(vinyl stearate) and n-long chain alkoxy ethanol and propanol at air-liquid interface  
AUTHOR(S): Kulkarni, Vittal S.; Katti, S. S.  
CORPORATE SOURCE: Phys. Chem. Div., Natl. Chem. Lab., Pune, 411008, India  
SOURCE: Journal of Surface Science and Technology (1989), 5(2), 175-9  
CODEN: JSSTE4; ISSN: 0970-1893  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The miscibility of poly(vinyl stearate) with either EtOH, octadecyloxyethanol, or hexadecyloxypropanol is studied on a Langmuir film  
IT balance. All 3 systems are found to be miscible and nonideal. These mixed monolayers are expected to be effective films in H2O-evapn. redn.  
23377-40-4  
RL: PRP (Properties)  
(Langmuir isotherms of, with poly(vinyl stearate))  
RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 23 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1990:234755 CAPLUS  
DOCUMENT NUMBER: 112:234755  
TITLE: Synthesis of quaternary amine ether lipids and evaluation of neoplastic cell growth inhibitory properties  
AUTHOR(S): Morris-Natschke, Susan L.; Meyer, Karen L.; Marasco, Canio J., Jr.; Piantadosi, Claude; Rossi, Fiona; Godwin, Patrick L.; Modest, Edward J.  
CORPORATE SOURCE: Sch. Pharm., Univ. North Carolina, Chapel Hill, NC, 27599, USA  
SOURCE: Journal of Medicinal Chemistry (1990), 33(6), 1812-18  
CODEN: JMCMAR; ISSN: 0022-2623  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 112:234755  
AB Novel quaternary amine ether lipids have been synthesized and tested for inhibition of neoplastic cell proliferation with the HL-60 promyelocytic leukemia cell line. These compds. contain a pos. charged quaternary amine functional group attached either directly to the glycerol backbone or at the end of an alkoxy chain. The biol. testing has identified several analogs with activity equiv. to or greater than that exhibited by the ref. compd. in this assay, ET-18-OMe (1-O-octadecyl-2-O-methyl-rac-glycero-3-phosphocholine). Among the most active analogs are N,N,N-triethyl-3-(hexadecyloxy)-2-ethoxy-1-propylammonium bromide and N-[4-[3-(hexadecyloxy)-2-ethoxypropoxy]-1-butyl]pyridinium bromide, which are approx. 3 times as active as the ref. std.  
IT 23377-40-4  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(bromination of, with carbon tetrabromide)  
RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 24 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1989:477497 CAPLUS  
DOCUMENT NUMBER: 111:77497  
TITLE: Phospholipid-analogous propanediol diether derivatives  
INVENTOR(S): useful as antitumor agents, and their production, use, and pharmaceutical compositions  
PATENT ASSIGNEE(S): Inoue, Keizo; Nomura, Hiroaki; Tasaka, Akihiro  
SOURCE: Takeda Chemical Industries, Ltd., Japan  
Eur. Pat. Appl., 14 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 304244	A2	19890222	EP 1988-307492	19880812
EP 304244	A3	19900110		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 01139552	A2	19890601	JP 1988-201691	19880811
CA 1306462	A1	19920818	CA 1988-574933	19880817
US 5008454	A	19910416	US 1990-492330	19900312
PRIORITY APPLN. INFO.:				
			JP 1987-204795	19870818
			US 1988-227531	19880803

OTHER SOURCE(S): MARPAT 111:77497  
AB Title compds. R1O(CH<sub>2</sub>)<sub>3</sub>O(CH<sub>2</sub>)<sub>n</sub>R2 (I; R1 = higher alkyl; R2 = primary to tertiary amino or quaternary ammonium; n = 3-10) are prep'd. as antitumor agents. Mesylation of Me(CH<sub>2</sub>)<sub>17</sub>O(CH<sub>2</sub>)<sub>3</sub>OH using MeSO<sub>2</sub>Cl and Et<sub>3</sub>N in CH<sub>2</sub>Cl<sub>2</sub>, and etherification of the mesylate with HO(CH<sub>2</sub>)<sub>4</sub>OH using NaH in Me<sub>2</sub>SO, gave Me(CH<sub>2</sub>)<sub>17</sub>O(CH<sub>2</sub>)<sub>3</sub>O(CH<sub>2</sub>)<sub>4</sub>OH. This alc. was similarly converted to its mesylate, aminolysis of which by Me<sub>3</sub>N in PhMe gave Me(CH<sub>2</sub>)<sub>17</sub>O(CH<sub>2</sub>)<sub>3</sub>O(CH<sub>2</sub>)<sub>4</sub>NMe<sub>3</sub> MeSO<sub>3</sub>- (II). At 0.25 mg/mouse for 4 days in mice inoculated i.p. with MM46 cancer cells, II gave total survival (5/5) at 60 days, vs. 0/5 for controls.  
IT 17367-36-1, 3-(Octadecyloxy)propanol  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, in prepn. of antineoplastic propanediol alkyl ammonioalkyl diethers)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 25 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1989:165558 CAPLUS  
DOCUMENT NUMBER: 110:165558  
TITLE: Novel lipid analogs with cytostatic and cytotoxic activity  
AUTHOR(S): Khalid  
CORPORATE SOURCE: S. Sch. Pharm., Univ. North Carolina, Chapel Hill, NC, 27514, USA  
SOURCE: Anticancer Research (1988), 8(6), 1361-6  
CODEN: ANTRD4; ISSN: 0250-7005  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB 1-O-Alkyl diol and glyceryl ether lipids with a quaternary ammonium polar head group were synthesized and their cytotoxicity (IC<sub>50</sub>) tested on KB cells, which have a low 1-O-alkyl cleavage activity, and rat hepatoma 77 cells, with a relatively high 1-O-alkyl cleavage activity. The original premise was that the compds. would be inactivated by the cleavage enzyme and would, thus, be selectively toxic to cells with less of the enzyme. The results with 2 other cell lines with equiv. levels of cleavage enzyme, HL-60 and K562-4, however, are not consistent with this premise.  
IT 17367-36-1  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and neoplasm inhibition by, structure in relation to)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

Kamal Saeed

10149139

L8 ANSWER 26 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1987:41802 CAPLUS  
DOCUMENT NUMBER: 107:41802  
TITLE: Evaporation retarder for polymer emulsion  
PATENT ASSIGNEE(S): Rohm and Haas Co., USA  
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62004751	A2	19870110	JP 1986-150637	19860626
US 4647610	A	19870303	US 1986-846671	19860331
CA 1287940	A1	19910820	CA 1986-511660	19860616
NO 8602645	A	19861229	NO 1986-2545	19860625
AU 8659235	A1	19870108	AU 1986-59235	19860625
AU 584716	B2	19890601		
EP 210747	A1	19870204	EP 1986-304892	19860625
EP 210747	B1	19901003		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 57201	E	19901015	AT 1986-304892	19860625
FI 8602727	A	19861229	FI 1986-2727	19860626
FI 89718	B	19930730		
FI 89718	C	19931110		
DK 8603091	A	19861229	DK 1986-3091	19860627

PRIORITY APPLN. INFO.:

AB An emulsion contg. a C16-24 satd. straight-chain hydrocarbon with .storeq.1 hydrophilic group selected from OH, OCH2CH(OH)CH2OH, (OCH2CHX)n[O(CH2)lyzOH, and CO2R (X = H or Me; R = amine or alk. metal salt; n = 0-2; y = 1-4; z = 0-2; R + 2 .storeq. 2) has low evapn., slow skin formation, and long wet edge time. Thus, E-1630 compn. contg. a hexane soln. of eicosanol had 72% lower water evapn. than the emulsion without eicosanol.

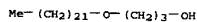
IT 23377-41-5

RL: USES (Uses)

(emulsion contg., with low water evapn. and slow skin formation)

RN 23377-41-5 CAPLUS

CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)



L8 ANSWER 27 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1987:5012 CAPLUS  
DOCUMENT NUMBER: 106:5012  
TITLE: 3-(Alkoxyalkyl)thiazolium halides  
INVENTOR(S): Anderson, Robert C.; Lee, Mark L.; Tomesch, John C.  
PATENT ASSIGNEE(S): Sandoz A. G., Switz.  
SOURCE: PCT Int. Appl., 38 pp.  
CODEN: PIXX02  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8601507	A1	19860313	WO 1985-EP426	19850820
W: AU, DK, FI, HU, JP, KR				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8547270	A1	19860324	AU 1985-47270	19850820
EP 195016	A1	19860924	EP 1985-904111	19850820
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 62500029	T2	19870108	JP 1985-501662	19850820
ES 546350	A1	19860416	ES 1985-546350	19850822
ZA 8506444	A	19870429	ZA 1985-6444	19850823

PRIORITY APPLN. INFO.:

US 1984-643837 19840823  
US 1984-672577 19841116  
US 1985-710847 19850312  
WO 1985-EP426 19850820

GI For diagram(s), see printed CA Issue.

AB Metacyclic compds. I [R1 = alkyl, alkenyl, alkynyl, etc.; Z1 = CH2, O, S, NHSO2, NHC02, etc.; n, p = 0, 1; m = 0-2; Z2, Z4 = alkylene, alkenylene, alkynylene; R2, R3 = H, alkyl, alkenyl, alkoxy, etc.; Z3 = alkenylene, CH2, O, S, etc.; Z5 forms a 5- or 6-membered monocyclic ring which may contain another hetero atom (N or S), a 10-membered bicyclic ring which may contain another N atom, etc.] were prepd., and they inhibited blood platelet aggregation. 4-(Octadecyloxy)-1-butanol was treated with iodine, PhIP, and imidazole, and the product was added to thiazole to give salt II.

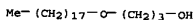
IT

17367-36-1P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction of)

RN

17367-36-1 CAPLUS

CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



L8 ANSWER 28 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1984:546438 CAPLUS  
DOCUMENT NUMBER: 101:146438  
TITLE: Interactions and space requirement of the phosphate head group of membrane lipids: the single crystal structures of a triclinc and a monoclinic form of hexadecyl-2-deoxyglycerophosphoric acid monohydrate  
AUTHOR(S): Pascher, I.; Sundell, S.; Eibl, H.; Harlos, K.  
CORPORATE SOURCE: Fac. Med., Univ. Goeteborg, Goeteborg, S-400 33, Swed.  
SOURCE: Chemistry and Physics of Lipids (1984), 35(2), 103-15  
CODEN: CPLIA4; ISSN: 0009-3084  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The crystal structures of a triclinc form (HPA1) and a monoclinic form (HPA2) of the lysophosphatidate analog hexadecyl-2-deoxyglycerophosphoric acid monohydrate were detd. by single crystal anal. The unit cell dimensions for HPA1 are a = 4.75, b = 5.72, c = 44.36 .ANG. and alpha. = 91.0, .beta. = 101.5, .gamma. = 100.5.degree. (P.hivin.1), and for HPA2, a = 4.75, b = 5.72, c = 88.72 .ANG. and gamma. = 100.8.degree. (P21). In both structures the mols. are fully extended and pack tail-to-tail in bilayers with tilting (47.degree.) hydrocarbon chains. In HPA2, however, the chain tilt alternately changes direction in adjacent bilayers, giving rise to a doubled unit cell which spans 2 bilayers. The dihydrogen phosphate groups interact by H bonds and are arranged in rows. Laterally between these phosphate rows the water mols. are accommodated, producing

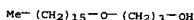
a compact 2-dimensional network of H bonds. The packing cross-section in the layer plane of the dihydrogen phosphate monohydrate group is 26.7 .ANG.2 in both structures. The hydrocarbon chains pack according to the triclinc (7.dblvert.) chain packing mode. In HPA2, however, the chain packing is somewhat less compact, which accounts for a 2% increase in the mol. vol. In both structures, the ether O is accommodated into the hydrocarbon matrix without distortion of chain packing.

IT 23377-40-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and reaction with phosphorus oxychloride)

RN 23377-40-4 CAPLUS

CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)



L8 ANSWER 29 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1984:145446 CAPLUS  
DOCUMENT NUMBER: 100:145446  
TITLE: Mixed monolayers of poly(vinyl stearate) with eicosanol, docosanoxy ethanol and docosanoxy propanol  
AUTHOR(S): Kulkarni, Vitthal S.; Katti, Sushilendra S.  
CORPORATE SOURCE: Phys. Chem. Div., Natl. Chem. Lab., Poona City, 411 008, India  
SOURCE: Colloids and Surfaces (1984), 9(2), 101-8  
CODEN: COSUD3; ISSN: 0166-6622  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Pressure-area (p.-A) isotherms of mixed monolayers of poly(vinyl stearate) with 1-eicosanol, 2-docosanoxyethanol, and docosanoxypropanol were studied at 5 mol fractions at 25.degree.. From curves of excess free energy of mixing, area, and collapse pressure against mole fraction, it is concluded that all the 3 systems are miscible and non-ideal.

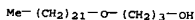
IT 23377-41-5

RL: PRP (Properties)

(adsorbed mixed monolayers of, with poly(vinyl stearate))

RN 23377-41-5 CAPLUS

CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)



Kamal Saeed

LA ANSWER 30 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1984:109497 CAPLUS  
 DOCUMENT NUMBER: 100:109497  
 TITLE: Surface viscosity and pressure-area isotherms of mixed monolayers of hexadecoxypropanol with dodecanoxypropanol at air-water interface  
 AUTHOR(S): Kulkarni, Vithal S.; Katti, Sushilendra S.  
 CORPORATE SOURCE: Phys. Chem. Div., Natl. Chem. Lab., Pune, 411 008, India  
 SOURCE: Indian Journal of Chemistry, Section A: Inorganic, Physical, Theoretical & Analytical (1983), 22A(10), 861-6  
 CODEN: IJCADU; ISSN: 0376-4710  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Surface viscosity-film pressure (.mu.-pi.), pi.-A isotherms, and collapse pressure (.pi.c) are reported for mixed monolayers of hexadecoxypropanol with dodecanoxypropanol at 25.degree. Fluidity (.vphi.), area per mol. (A), excess free energy of mixing (.DELTA.GE), phase diagram, and collapse pressure data suggest that mixed monolayers are not only miscible and homogeneous but are also non-ideal.  
 IT 23377-40-4  
 RL: PRP (Properties)  
 (adsorbed mixed monolayers of, with dodecanoxypropanol)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>15</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

IT 23377-41-5  
 RL: PRP (Properties)  
 (adsorbed mixed monolayers of, with hexadecoxypropanol)  
 RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(dodecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>21</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

LA ANSWER 31 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1983:405818 CAPLUS  
 DOCUMENT NUMBER: 99:5818  
 TITLE: Phospholipids and medicines containing these compounds  
 INVENTOR(S): Boies, Elmar; Gall, Rudi; Weimann, Guenter; Bicker, Uwe; Pahlke, Wulf  
 PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.  
 SOURCE: Eur. Pat. Appl., 46 pp.  
 CODEN: EPXADW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 69968	A2	19830119	EP 1982-106024	19820706
EP 69968	A3	19830223		
EP 69968	B1	19851121		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DE 3127503	A1	19830217	DE 1981-3127503	19810711
JP 58010592	A2	19830121	JP 1982-115641	19820705
AT 16596	E	19851215	AT 1982-106024	19820706
US 4492659	A	19850108	US 1982-395954	19820707
PRIORITY APPL. INFO.:			DE 1981-3127503	19810711
			EP 1982-106024	19820706

OTHER SOURCE(S): CASREACT 99:5818  
 AB Approx. 40 title compds., R1XR2YR3ZP(O) (O-)OR4N+R3 [R = H, alkyl; R1 = H, C1-18 alkyl, substituted alkyl; X = O, S, SO<sub>2</sub>, SO, phenylene, cycloalkylene, CONH, CO, ureido; R2 = C1-18 alkylene, substituted alkylene; Y = O, OCO<sub>2</sub>, O<sub>2</sub>CNH, OC(S)NH; R3 = C2-8 alkylene, substituted alkylene; Z = S, O; R4 = C2-5 alkylene] were prep'd. Thus, 1.2 g 2-(methoxymethyl)-3-(n-octadecyloxy)-1-propanol, 1.1 g BrCH<sub>2</sub>CH<sub>2</sub>OP(O)Cl<sub>2</sub> and Me<sub>3</sub>N gave CH<sub>3</sub>(CH<sub>2</sub>)<sub>17</sub>CH<sub>2</sub>CH(CH<sub>2</sub>OMe)CH<sub>2</sub>OP(O)(O-)OCH<sub>2</sub>CH<sub>2</sub>N+Me<sub>3</sub> (I). I

was as effective as 1-(n-octadecyl)-2-(methylglycero)-3-phosphorylcholine in tumor cell cytotoxicity tests in mice.  
 IT 86008-02-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and esterification of, with phosphorus acid chloride)  
 RN 86008-02-8 CAPLUS  
 CN 1-Propanol, 3-[[12-(pentyloxy)dodecyl]oxy]- (9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>4</sub>-O- (CH<sub>2</sub>)<sub>12</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

LA ANSWER 32 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1983:53509 CAPLUS  
 DOCUMENT NUMBER: 98:53509  
 TITLE: Syntheses and antimicrobial activities of alkyl lysophospholipids  
 AUTHOR(S): Teushima, Susumu; Yoshioka, Yoshio; Tanida, Seiichi; Nomura, Hiroaki; Nojima, Shoshichi; Hozumi, Motoo  
 CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (1982), 30(9), 3260-70  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Twenty-seven alkyl analogs of lysophospholipid were synthesized and their structure, antimicrobial activity relationships were exam'd. These analogs differed in the structures of the long-chain alkyl moiety at position 1 and the beta.-N-substituted aminoethylphosphoryl moiety at position 3, and in the presence or absence of the 2-methoxy group of the glycerol moiety. Many of the alkyl lysophospholipids possess antimicrobial activities much more potent than those of naturally occurring lysolecithin and lecithin against Tetrahymena pyriformis W and a variety of fungi, including human pathogens. Max. activity was obs'd. with 2-methyl-1-tetradecylglycero-3-phosphocholines.  
 1-Alkyl-2-methylglycero-3-phosphocholines with longer as well as shorter alkyl chains tended to have lower antimicrobial activity. Alkyl lysophospholipids with pyridinioethyl instead of the choline group showed antifungal activity comparable to alkyl glycerophosphocholines with the corresponding alkyl group, but lower antiprotezoal activity. The tetradecyl congeners in these 2 classes of compds. showed potent inhibitory activity against Trichophyton species, comparable to that of clotrimazole. In contrast, alkyl lysophospholipids with an ethanolamine moiety in the polar head group showed decreased activity. Changing the mol. backbone from glycerol to 1,3-propanediol had little effect upon the activity, and the resulting 1-alkyl-2-deoxyglycero-3-phosphocholines displayed antimicrobial properties similar to those of 1-alkyl-2-methylglycero-3-phosphocholines.  
 IT 17367-36-1P 81749-13-5P 82873-32-3P 84337-56-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and reaction of, with chloroethyl dichlorophosphoridate)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>17</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

RN 81749-13-5 CAPLUS  
 CN 1-Propanol, 3-(tetradecyloxy)- (9CI) (CA INDEX NAME)

LA ANSWER 32 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 Me- (CH<sub>2</sub>)<sub>13</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

RN 82873-32-3 CAPLUS  
 CN 1-Propanol, 3-(tridecyloxy)- (9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>12</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

RN 84337-56-4 CAPLUS  
 CN 1-Propanol, 3-(dodecyloxy)- (9CI) (CA INDEX NAME)

Me- (CH<sub>2</sub>)<sub>11</sub>-O- (CH<sub>2</sub>)<sub>3</sub>-OH

10149139

L8 ANSWER 33 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1982:510201 CAPLUS  
 DOCUMENT NUMBER: 97:110201  
 TITLE: Tridecyloxy- or tetradecyloxypropane derivatives, and their use  
 INVENTOR(S): Hozumi, Motoo; Teushima, Susumu; Yoshioka, Yoshio  
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 32 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 50460	A2	19820428	EP 1981-304732	19811012
EP 50460	A3	19821027		
EP 50460	B1	19850710		
R: SE, CH, DE, FR, GB, IT, NL, SE				
JP 57072914	A2	19820507	JP 1980-148485	19801022
US 4426525	A	19840117	US 1981-311876	19811015
CA 1176254	A1	19841016	CA 1981-388394	19811021
US 4544512	A	19851001	US 1983-559634	19831209
PRIORITY APPLN. INFO.: JP 1980-148485 19801022				
US 1981-311876 19811015				

OTHER SOURCE(S): CASREACT 97:110201  
 AB ROCH2CHRI1CH2OP(O) (O-1)OCH2CH2N+R2R3R4 (R = tridecyl, tetradecyl; R1 = H, OMe; R2, R3, R4 = H, Cl-3 alkyl; N+R2R3R4 = cyclic ammonio), with inhibitory activity to multiplication of tumor cells and antimicrobial activity, were prep'd. For example, reaction of trimethylene glycol with tetradecyl bromide in Me2SO-THF at room temp. and then under reflux gave 3-tetradecyloxypropenol, which was treated with 2-bromoethylphosphorous dichloride in the presence of pyridine, hydrolyzed, and treated with Me3N to give a 47% yield of 3-tetradecyloxypropyl 2-trimethylammonioethyl phosphate. These tetradecyl and tridecyl phospholipids are preferred to octadecyl phospholipids from the viewpoint of differentiation of tumor cells (leukemia cells). These compds. are also useful antimycotic and antiprotozoal agents.  
 IT 81749-13-5P 81749-13-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and reaction with bromoethylphosphorous dichloride)  
 RN 81749-13-5 CAPLUS  
 CN 1-Propanol, 3-(tetradecyloxy)- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>13</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 82873-32-3 CAPLUS  
 CN 1-Propanol, 3-(tridecyloxy)- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>12</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 34 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1982:195137 CAPLUS  
 DOCUMENT NUMBER: 96:195137  
 TITLE: Composition and method for the control of insects  
 INVENTOR(S): Greene, Lawrence C.  
 PATENT ASSIGNEE(S): Zeecon Corp., USA  
 SOURCE: Eur. Pat. Appl., 13 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 46336	A2	19820224	EP 1981-303268	19810716
EP 46336	A3	19820310		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				

PRIORITY APPLN. INFO.: US 1980-178067 19800814  
 AB Waxy compds. comprised of an active ingredient (0.1-30%), a thickening agent (20-90%); C15-22 fatty acid monoethanolamide), and a lubricity agent (0-75% by wt. total compn.) are suitable as insecticides. Thus, a compn. comprised of stearic monoethanolamide (111-57-9) (25.0% by wt.), propylene glycol-3-meristyl ether (81749-13-5) (34.0%), cyclomethicone (polydimethylcyclsiloxane) (19.0%), water (8.0%), permethrin (52645-53-1) (2.0%), and stearic acid (57-11-4) (2.0%) gave 95% mortality of adult German cockroaches within 24 h when applied as a stick formulation.  
 IT 81749-13-5  
 RL: BIOL (Biological study)  
 (insecticidal compn. contg.)  
 RN 81749-13-5 CAPLUS  
 CN 1-Propanol, 3-(tetradecyloxy)- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>13</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 33 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 35 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1980:445695 CAPLUS  
 DOCUMENT NUMBER: 93:45695  
 TITLE: The effect of substrate pH on some monomolecular film properties of hexadecanol and hexadecyloxy ethanol, propanol, and butanol monolayers  
 AUTHOR(S): Gaonkar, Anilkumar G.; Katti, Sushilendra S.  
 CORPORATE SOURCE: Natl. Chem. Lab., Poona, India  
 SOURCE: Journal of Colloid and Interface Science (1980), 73(2), 381-7  
 CODEN: JCISAS; ISSN: 0021-9797  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The surface pressure (.pi.) area per mol. (A) and surface viscosity (.mu.)-.pi. characteristics of monolayers of C16H33OH (I) and C16H33O(CH2)NOH (II; n = 2, 3, 4) on H2O of .apprx.2 and 12 pH are exam'd. at 30.degree.. .pi.-A Isotherms of I at pH .apprx.2 and 12 remained practically unchanged. II (n = 3, 4) gave a slightly more condensed film at pH 12 as compared to that at pH 2; the reverse holds true for II (n = 2) due to formation of an oxonium compd. at low pH and assoc'd. mols. at high pH with II (n = 3, 4) and strong interaction at low pH and ionization at high pH with II (n = 2). No significant change was obs'd. in the f.wdarw. S (.pi.-A isotherms) and Lc f.wdarw. I (.mu.-.pi. isotherms) transition pressures at pH .apprx.2 and 12. .mu. At pH 12 for all the 4 monolayers was higher than that at pH 2 esp. after Lc f.wdarw. I transition due to the slight alteration in packing and orientation of the mols. The free energy of viscous flow and the intermol. interaction energies indicate that the relaxation phenomena remained unchanged even after altering the aq. pH.  
 IT 23377-40-4  
 RL: PRP (Properties)  
 (monomol. film properties of, on water, effect of acidity on)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

Kamal Saeed

L8 ANSWER 36 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1979:463074 CAPLUS  
 DOCUMENT NUMBER: 91:63074  
 TITLE: Surface viscosities and pressure-area isotherms of mixed monolayers of hexadecoxyethanol with docosanoxypentanol and docosanoxypentanol with hexadecoxypropanol at 25.degree.C  
 AUTHOR(S): Gaonkar, Anilkumar G.; Katti, Sushilendra S.  
 CORPORATE SOURCE: Natl. Chem. Lab., Poona, 411008, India  
 SOURCE: Journal of Colloid and Interface Science (1979), 69(3), 649-62  
 CODEN: JCISAS; ISSN: 0021-9797  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Surface pressure (.pi.)-area (A) and surface viscosity (.mu.)-.pi. isotherms on H2O substrate of mixed monolayers of hexadecoxyethanol (C16H33OC2H4OH) with docosanoxypentanol (C22H45OC3H6OH), and docosanoxypentanol (C22H45OC2H4OH) with hexadecoxypropanol (C16H33OC3H6OH) were studied as a function of mole fraction at 25.degree.. The pos. and neg. deviations obsd. from additivity rule for mol. areas and fluidities (.vphi.) for these systems and high neg. excess free energies of mixing (.DELTA.GE) suggested that the systems are nonideal and miscible. The data indicate intermol. interaction between the 2 components. At high film pressures and at 1:1 molar ratio, the mixed monolayers exhibited higher stability, which was obsd. from area-compn. curves and .DELTA.GE values. The parameters .mu.0, .mu.x, .tau. (relaxation time), .DELTA.F (activation energy of viscous flow), .DELTA.F-.DELTA.F', and w-k (0.94 ri) (internal interaction energy) were calcd. for all the mixed monolayers. Nearly equal values of .DELTA.F and w-k (0.94 ri) suggest that similar relaxation phenomena are involved in both pure and mixed monolayers. .DELTA.F Of mixed monolayers is a weighted av. of the pure constituents.  
 IT 23377-41-5  
 RL: PRP (Properties)  
 (monolayer mixts. contg., surface viscosity and pressure of)  
 RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 37 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

Me-(CH<sub>2</sub>)<sub>19</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 37 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1979:110119 CAPLUS  
 DOCUMENT NUMBER: 90:110119  
 TITLE: Effect of temperature on the surface viscosity of monolayers of n-alkoxypropanols and n-alkoxybutanols  
 AUTHOR(S): Gaonkar, Anilkumar G.; Katti, Sushilendra S.  
 CORPORATE SOURCE: Natl. Chem. Lab., Poona, India  
 SOURCE: Journal of Colloid and Interface Science (1979), 68(1), 144-56  
 CODEN: JCISAS; ISSN: 0021-9797  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The surface viscosities (.mu.) of monomol. films of n-alkoxy propanols (C16, C18, C20, and C22) and n-alkoxy butanols (C16 and C18) were measured as a function of surface pressure (.pi.) and shear rate (g) at 2 temp., viz. 20 and 30.degree., with a rotational viscometer. In addn. to .mu.-.pi. curves, .pi.-A (area) isotherms were also drawn for all the monolayers. In the case of C16- and C18-alkoxy propanols and alkoxy butanols, .mu. increases with increase in temp., whereas .mu. decreases with increase in temp. in the case of C20 and C22 alkoxy propanols, esp. after the Lc f.dwar. 1 transition. The hydrocarbon chain plays a more prominent role than the polar group so far as the effect of temp. on these monolayers is concerned. The activation energy of viscous flow (.DELTA.F), relaxation time (.tau.) and the intermol. interaction energy W-k(0.94 ri) were calcd. Similar values were obtained for .DELTA.F and also for W-k(0.94 ri) indicating that kindred relaxation phenomena are involved in all these monolayers at different temps. The interaction energy, however, increased slowly with temp.  
 IT 17367-36-1 23377-40-4 23377-41-5  
 29506-18-1  
 RL: PRP (Properties)  
 (monolayers of, surface viscosity of)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 29506-18-1 CAPLUS  
 CN 1-Propanol, 3-(eicosyloxy)- (8CI, 9CI) (CA INDEX NAME)

L8 ANSWER 38 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1978:518210 CAPLUS  
 DOCUMENT NUMBER: 89:118210  
 TITLE: Surface viscosity of monomolecular films of n-alkoxy propanols and n-alkoxy butanols at 25.degree.C  
 AUTHOR(S): Gaonkar, Anilkumar G.; Katti, S. S.  
 CORPORATE SOURCE: Natl. Chem. Lab., Poona, India  
 SOURCE: Journal of Colloid and Interface Science (1978), 65(2), 222-43  
 CODEN: JCISAS; ISSN: 0021-9797  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The surface viscosities (.mu.) of a series of n-alkoxy propanols and n-alkoxy butanols with the general formula Cn-OC3H6OH and Cn-OC4H8OH where n = 16, 18, 20, and 22 were measured at 25.degree. as a function of surface pressure (.pi.) at different shear rates. All the monomol. films studied exhibited non-Newtonian character, .pi.-area isotherms for the compds. are also reported at 25.degree.. The transition pressures obsd. for two-dimensional phase transformation, i.e. liq. condensed to an intermediate state or solid state agree with those found in .mu.-.pi. curves. The extrapolated values of viscosity at zero shear rate and infinite shear rate are used for calcd. the free energies of activation for viscous flow and relaxation times. The intermol. interaction energies and free energy changes of activation for viscous flow are more or less the same for all monolayers studied, thereby indicating that the relaxation phenomenon remains almost unchanged irres. of transition pressure and viscosity obsd. in these monolayers. Viscosity data of these compds. are compared with those of n-als. and n-alkoxy ethanol.  
 IT 17367-36-1 23377-40-4 23377-41-5  
 29506-18-1  
 RL: PRP (Properties)  
 (surface viscosity of unimol. films of, surface and transition pressures in relation to)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 29506-18-1 CAPLUS  
 CN 1-Propanol, 3-(eicosyloxy)- (8CI, 9CI) (CA INDEX NAME)

10149139

L8 ANSWER 38 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

Me<sup>-</sup> (CH<sub>2</sub>)<sub>19</sub>-O<sup>-</sup> (CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 39 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1978:192130 CAPLUS  
DOCUMENT NUMBER: 88:192130  
TITLE: Complexed compounds  
INVENTOR(S): Wirth, Hermann O.; Friedrich, Hans Helmut  
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
SOURCE: Ger. Offen., 106 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2739312	A1	19780309	DE 1977-2739312	19770901
DE 2739312	C2	19900308		
CH 623353	A	19810529	CH 1976-11391	19760908
NL 7709754	A	19780310	NL 1977-9754	19770905
CA 1103689	A1	19810623	CA 1977-286115	19770906
BE 858464	A1	19780307	BE 1977-180717	19770907
GB 1584049	A	19810204	GB 1977-37297	19770907
US 4404408	A	19830913	US 1977-831309	19770907
JP 53034730	A2	19780331	JP 1977-108329	19770908
JP 62022975	B4	19870520		
FR 2364260	A1	19780407	FR 1977-27186	19770908
FR 2364260	B1	19800425		

PRIORITY APPLN. INFO.: CH 1976-11391 19760908  
AB 1,2,3-Triol or triol monoether or thioether complexes of metal or semimetal salts are thermally stable antistatic agents for polymers, fuels, and lubricants. Thus, stirring LiOH and iso-C<sub>8</sub>H<sub>17</sub>OCH<sub>2</sub>CH(OH)CH<sub>2</sub>OH (I) at 120-130.degree. until a clear melt results and crystn. gives a LiOH-I complex (II). Petroleum ether contg. 0.1% II has elec. cond. 7 .times. 10<sup>-12</sup> .OMEGA.-1/cm, compared with 2.1 .times. 10<sup>-16</sup> with I in place of II.  
IT 66369-70-8D, complexes with metal salts  
RL: USES (Uses)  
(antistatic agents, for org. materials)  
RN 66369-70-8 CAPLUS  
CN Propanediol, 3-(octadecyloxy)- (9CI) (CA INDEX NAME)

Me<sup>-</sup> (CH<sub>2</sub>)<sub>17</sub>-O<sup>-</sup> (CH<sub>2</sub>)<sub>3</sub>-OH

D1-OH

L8 ANSWER 40 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1976:445956 CAPLUS  
DOCUMENT NUMBER: 85:45956  
TITLE: Method and composition for retarding the evaporation of ammonia and amines  
INVENTOR(S): Cox, Robert Powers  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S., 5 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3959154	A	19760525	US 1975-573270	19750430

PRIORITY APPLN. INFO.: US 1975-573270 19750430  
AB Loss of volatile amines (NH<sub>3</sub>, EtNH<sub>2</sub>, Me<sub>3</sub>CNH<sub>2</sub>, Et<sub>2</sub>NH, PrNH<sub>2</sub>, Me<sub>2</sub>NH, pyridine) from their aq. solns. was inhibited by adding .ltoreq.0.005 wt. % fatty alkyl monoethers of mono- or polyalkylene glycols or fatty alkyl ethers of alkanolamines. Examples of the additives included n-C<sub>18</sub>H<sub>37</sub>OCH<sub>2</sub>CH<sub>2</sub>OH, n-C<sub>22</sub>H<sub>45</sub>OCH<sub>2</sub>CH<sub>2</sub>OH, and n-C<sub>20</sub>H<sub>41</sub>OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>. Conjunctive use of the additives also enhanced the effectiveness of n-benhenylamine in retarding loss of NH<sub>3</sub> from aq. solns.  
IT 17367-36-1  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(inhibition of loss of volatile amines from aq. solns. by)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me<sup>-</sup> (CH<sub>2</sub>)<sub>17</sub>-O<sup>-</sup> (CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 41 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1972:22196 CAPLUS  
DOCUMENT NUMBER: 76:22196  
TITLE: Naturally occurring diol lipids. VIII. Mass spectrometric analysis of mono- and dialkyl ethers of diols  
AUTHOR(S): Kramer, John K. G.; Holman, Ralph T.; Baumann, Wolfgang J.  
CORPORATE SOURCE: Hormel Inst., Univ. Minnesota, Austin, MN, USA  
SOURCE: Lipids (1971), 6(10), 727-33  
CODEN: LPDSAP; ISSN: 0024-4201  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Mass spectra of a homologous series of long-chain mono- and dialkyl ethers of ethanediol and propanediols were measured and general patterns of fragmentation were established. Both classes of diol lipids produce ions which are characteristic for the alkoxy moieties as well as ions which are typical of the constituent short-chain diols. Prominent ions are formed by cleavages .alpha. and .beta. to the ether O and by rearrangement of 1 or 2 hydrogens and concurrent fission. High resolution mass spectrometry and deuterium labeling techniques were used to verify the compn. of ions and to substantiate fragmentation mechanisms.  
IT 17367-36-1  
RL: PRP (Properties)  
(mass spectra of)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me<sup>-</sup> (CH<sub>2</sub>)<sub>17</sub>-O<sup>-</sup> (CH<sub>2</sub>)<sub>3</sub>-OH

Kamal Saeed

10149139

L8 ANSWER 42 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1972:13812 CAPLUS  
DOCUMENT NUMBER: 76:13812  
TITLE: 3-(octadecyloxypropyl) 2-(trimethylammonio)ethyl phosphate  
PATENT ASSIGNEE(S): Thomae, Dr. Karl. G.m.b.H.  
SOURCE: Ger. Offen., 9 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

L8 ANSWER 42 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2009341	A	19710902	DE 1970-2009341	19700227
DE 2009341	C3	19790621		
DE 2009341	B2	19781019		
RO 58353	P	19750715	RO 1971-65949	19710216
CS 152390	P	19731219	CS 1971-1230	19710218
ES 388446	A1	19710501	ES 1971-388446	19710219
US 3708558	A	19730102	US 1971-118083	19710223
CH 542247	A	19731115	CH 1971-2790	19710224
NL 7102495	A	19710831	NL 1971-2495	19710225
NL 168518	B	19811116		
NL 168518	C	19820416		
JP 55008995	B4	19800307	JP 1971-9620	19710225
BE 763578	A1	19710826	BE 1971-100314	19710226
FR 2081545	A5	19711203	FR 1971-6702	19710226
FR 2081545	B1	19740322		
ZA 7101241	A	19711229	ZA 1971-1241	19710226
AT 299248	B	19720612	AT 1971-1685	19710226
HU 162911	P	19730428	HU 1971-70845	19710226
SE 369192	B	19740812	SE 1971-2515	19710226
DK 129352	B	19740930	DK 1971-885	19710226
PL 74270	P	19741030	PL 1971-146518	19710226
IL 36299	A1	19741231	IL 1971-36299	19710226
NO 134057	B	19760803	NO 1971-727	19710226
GB 1280788	A	19720705	GB 1971-1280788	19710419

PRIORITY APPLN. INFO.: DE 1970-2009341 19700227  
AB The title compd., Me3N-CH2CH2OP(O-)(O)O(CH2)3OR (R = n-C18H37), active as an immunol. adjuvant, was prepd. in 70% yield by reaction of ROCH2CH2CH2OH [obtained in 32% yield from CH2(CH2OH)2 and RI], Cl2P(O)OCH2CH2Br, and Et3N in anhyd. CHCl3 at 0-20.degree., hydrolysis in 0.1N KCl contg. MeOH at .apprx.0.degree. and pH 3, and reaction with Et3N 3 days at .apprx.20.degree..

IT 17367-36-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

RN 17367-36-1 CAPLUS

CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{17}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

L8 ANSWER 43 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1971:551326 CAPLUS  
DOCUMENT NUMBER: 75:151326  
TITLE: Lysophosphatidylethanolamine and 2-deoxylysophosphatidylethanolamine derivatives. 1. Potential renin inhibitors  
AUTHOR(S): Pfeiffer, Francis R.; Hoke, Suzanne C.; Miao, Clara K.; Tedeschi, Ralph E.; Fasternak, Josephine; Hahn, Richard; Erickson, Robert W.; Levin, Herman W.; Burton, Charlotte A.; Weisbach, Jerry A.  
CORPORATE SOURCE: Res. Dev. Div., Smith, Kline and French Lab., Philadelphia, PA, USA  
SOURCE: Journal of Medicinal Chemistry (1971), 14(6), 493-9  
CODEN: JMCMAH; ISSN: 0022-2623  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
GI For diagram(s), see printed CA Issue.  
AB A wide variety of phospholipid deriva. related to natural phosphatidylethanolamines were prepd. and evaluated as potential renin inhibitors in 2 in vitro assays. Lysophosphatidylethanolamines and their 2-deoxy deriva. were also prepd. Most of the new compds. were less active than a phospholipid mixt. isolated from hog kidney, but 2 compds. contg. the 1-adamantyl moiety were more active. The most active O-[1,2-bis(1-adamantylacetyl)-sn-glycero-3-phosphoryl] ethanolamine (I) was synthesized by reacting 1,2-bis(1-adamantylacetyl)-sn-glycerol and dichloro N-(.beta..beta..beta.-trichloroethoxycarbonyl)-2-aminoethyl phosphate. The less active O-[1,2-bis(1-adamantyl)-sn-glycero-3-phosphoryl]ethanolamine (II) was prepd. by reacting 1,2-bis(1-adamantyl)-3-deoxy-3-iodo-sn-glycerol and silver tert-butyl N-(tert-butyloxycarbonyl)-2-aminoethyl phosphate. The lyso and 2-desoxy deriva. were generally active at comparable concns. regardless of the hydrophobic group.  
IT 17367-36-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{17}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

L8 ANSWER 44 OF 49 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1971:462915 CAPLUS  
DOCUMENT NUMBER: 75:62915  
TITLE: Dielectric constants and dipole moments of n-alkoxyethanols and n-alkoxypropanols  
AUTHOR(S): Pradhans, S. D.; Katti, S. S.; Kulkarni, S. B.  
CORPORATE SOURCE: Natl. Chem. Lab., Poona, India  
SOURCE: Indian Journal of Chemistry (1971), 9(6), 565-6  
CODEN: IJOCAP; ISSN: 0019-5103  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The dielec. consts., dn., and refractive indexes of long-chain n-alkoxyethanols and n-alkoxypropanols are detd. between 45-95.degree.. The dipole moments of alkoxyethanols and alkoxypropanols evaluated by the Onsager equation are 2.20 +/- 0.1 and 2.39 +/- 0.1 D, resp., and are independent of temp. and the length of the alkyl chain. The temp. independence of the dipole moment indicates that n-alkoxyethanols and n-alkoxypropanols exist mainly as dimers in the liq. state.  
IT 17367-36-1 23377-40-4 23377-41-5  
RL: PRP (Properties)  
(dielec. const. and dipole moment of)  
RN 17367-36-1 CAPLUS  
CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{17}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

RN 23377-40-4 CAPLUS  
CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{15}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

RN 23377-41-5 CAPLUS  
CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

 $\text{Me}^-(\text{CH}_2)_{21}-\text{O}^-(\text{CH}_2)_3-\text{OH}$ 

Kamal Saeed

10149139

L8 ANSWER 45 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1970:481840 CAPLUS  
 DOCUMENT NUMBER: 73:81840  
 TITLE: Dielectric properties of n-long chain alcohols, alkoxyethanols, and alkoxypropanols  
 AUTHOR(S): Pradhan, S. D.; Katti, Sushilendra S.; Kulkarni, S. B.  
 CORPORATE SOURCE: Nat. Chem. Lab., Poona, India  
 SOURCE: Indian Journal of Chemistry (1970), 8(7), 632-7  
 CODEN: IJOCAP; ISSN: 0019-5103  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The dielec. properties of a series of primary Cn, alcs. derived alkoxyethanols, and alkoxypropanols (where n = 16, 18, 20, and 22) were studied in order to investigate the phase modifications and mol. rotation in the solid state: Similar to the alcs., the alkoxyethanols also exhibit 2 phase modifications, i.e., a metastable .alpha.- and a stable .beta.-phase in the solid state. All the alkoxypropanols except the C16 deriv. transform to a rotating .alpha.-phase while cooling only. A large dielec. dispersion was obsd. in the .alpha.-phase. In the case of the alcs. the higher transition temps. obsd. in the present studies have been attributed to the higher purity of the compds. used. The dielec. data for the alkoxyethanols, alkoxypropanols, and for C20 alc. are reported for the 1st time.  
 IT 17367-36-1 23377-40-4 23377-41-5  
 29506-18-1  
 RL: PRP (Properties)  
 (dielec. const. of, phase transition in relation to)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 29506-18-1 CAPLUS  
 CN 1-Propanol, 3-(eicosyloxy)- (8CI, 9CI) (CA INDEX NAME)

L8 ANSWER 46 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1969:453888 CAPLUS  
 DOCUMENT NUMBER: 71:53888  
 TITLE: Surface thermodynamic properties of n-long-chain alcohols, alkoxy ethanols, propanols, and butanols  
 AUTHOR(S): Pathak, Samir; Katti, S.  
 CORPORATE SOURCE: Nat. Chem. Lab., Poona, India  
 SOURCE: Journal of Chemical and Engineering Data (1969), 14(3), 359-61  
 CODEN: JCEAAX; ISSN: 0021-9568  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The surface thermodynamic properties of even-membered straight-chain alcs. (C20 and C22), alkoxy ethanols (C16 to C22), alkoxy propanols (C16 to C22), and alkoxy butanols (C16 and C18) have been derived from surface tension measurements at different temps. There is no significant variation in the thermodynamic properties with the introduction of different extended polar groups to the hydrophobic chain.  
 IT 23377-40-4  
 RL: PRP (Properties)  
 (surface thermodynamic properties of)  
 RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 45 OF 49 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 Me-(CH<sub>2</sub>)<sub>19</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 47 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1969:117946 CAPLUS  
 DOCUMENT NUMBER: 70:117946  
 TITLE: Preparation of n-long chain oxypropanols and oxybutanols and their performance as water evaporation retardants  
 AUTHOR(S): Katti, Sushilendra S.; Natekar, M. V.; Sansare, S. D.  
 CORPORATE SOURCE: Nat. Chem. Lab., Poona, India  
 SOURCE: Indian Journal of Technology (1969), 7(3), 93-6  
 CODEN: IJOTAS; ISSN: 0019-5669  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Some representative n-long chain oxypropanols and oxybutanols have been prepd. and the effectiveness of their films in retarding water evapn. evaluated in lab. and semifield tests. Close agreement has been observed between the results of Petri dish lab. expts. and the open air evaporimeter expts. Among the compds. prepd., C22-OC2-H4OH and C22-OC3H6OH give the best performance in respect of percentage evapn. redn. and durability of the film. The use of these compds. as water evapn. retardants at high ambient water temps. is recommended.  
 IT 17367-36-1 23377-40-4 23377-41-5  
 RL: OCCU (Occurrence)  
 (as water evapn. inhibitor)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-40-4 CAPLUS  
 CN 1-Propanol, 3-(hexadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>15</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

RN 23377-41-5 CAPLUS  
 CN 1-Propanol, 3-(docosyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>21</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

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L8 ANSWER 48 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1968:414342 CAPLUS  
 DOCUMENT NUMBER: 69:14342  
 TITLE: Characteristic absorption bands and frequency shifts in the infrared spectra of naturally-occurring long-chain ethers, esters, and ether esters of glycerol and various diols  
 AUTHOR(S): Baumann, Wolfgang J.; Ullshofer, H. W.  
 CORPORATE SOURCE: Univ. of Minnesota, Austin, MN, USA  
 SOURCE: Chemistry and Physics of Lipids (1968), 2(1), 114-28  
 CODEN: CPLIA4; ISSN: 0009-3084  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The ir absorption spectra of long-chain ethers, esters, and ether esters of glycerol, 1,2-ethanediol, and propanediols are given. The ester bonds (C=O, C-O), ether bonds (C-O), hydroxylipid O-H bonds, and other characteristic bonds are given in their relative absorption intensities and noted as strong, medium, weak and shoulder. These spectra are discussed and interpreted. 44 references.  
 IT 17367-36-1  
 RL: PRP (Properties)  
 (spectrum (ir) of)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

L8 ANSWER 49 OF 49 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1967:505313 CAPLUS  
 DOCUMENT NUMBER: 67:105313  
 TITLE: Alkoxy lipids. IV. Synthesis and characterization of naturally occurring ethers, esters and ether esters of diols  
 AUTHOR(S): Baumann, Wolfgang J.; Schmid, Harald H. O.; Ullshofer, H. W.; Mangold, Helmut K.  
 CORPORATE SOURCE: Univ. of Minnesota, Austin, MN, USA  
 SOURCE: Biochimica et Biophysica Acta (1967), 144(2), 355-65  
 CODEN: BBACAQ; ISSN: 0006-3002  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB cf. preceding abstr. Long-chain alkyl ethers of 1,2-ethanediol were prepd. from alkyl glyceryl-(1) ethers by glycol cleavage and subsequent reduct. of the resulting alkoxyacetaldehydes. Alkyl ethers of 1,3-propanediol were synthesized by alkylation of 3-(trityloxy)propanol with methanesulfonates, followed by hydrolytic removal of the trityl group. Dialkyl ethers, ether esters, as well as mono- and diesters of 1,2-ethanediol and 1,3-propanediol also were prepd. Chromatographic methods based on partition rather than on adsorption phenomena were suitable for the sepn. of diol lipids, as classes, from the corresponding glycerol-derived lipids. The crit. soln. temps. of the compds. synthesized proved to be a satisfactory means of distinction. 49 references.  
 IT 17367-36-1P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and properties of)  
 RN 17367-36-1 CAPLUS  
 CN 1-Propanol, 3-(octadecyloxy)- (8CI, 9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>17</sub>-O-(CH<sub>2</sub>)<sub>3</sub>-OH

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

223.52

521.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

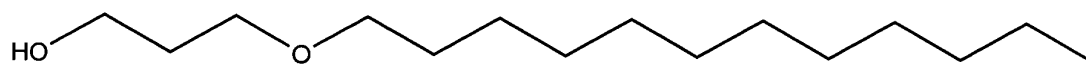
CA SUBSCRIBER PRICE

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STN INTERNATIONAL LOGOFF AT 08:09:41 ON 06 MAY 2003

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3-dodecyloxy-1-propanol

10149139

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Welcome to STN International! Enter x:X

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NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
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NEWS 11 Oct 24 BEILSTEIN adds new search fields  
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 14 Nov 25 More calculated properties added to REGISTRY  
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NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
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NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
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NEWS 20 Feb 13 CANCERLIT is no longer being updated  
NEWS 21 Feb 24 METADEX enhancements  
NEWS 22 Feb 24 PCTGEN now available on STN  
NEWS 23 Feb 24 TEMA now available on STN  
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 25 Feb 26 PCTFULL now contains images  
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 28 Mar 20 EVENTLINE will be removed from STN  
NEWS 29 Mar 24 PATDPAFULL now available on STN  
NEWS 30 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 31 Apr 11 Display formats in DGENE enhanced  
NEWS 32 Apr 14 MEDLINE Reload  
NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS  
NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 36 Apr 28 RDISCLOSURE now available on STN  
NEWS 37 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
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ENTRY	SESSION
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FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 5 MAY 2003 HIGHEST RN 510776-00-8  
DICTIONARY FILE UPDATES: 5 MAY 2003 HIGHEST RN 510776-00-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
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=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

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Uploading C:\Program Files\Stnexp\Queries\101491391.str

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L1 STRUCTURE UPLOADED

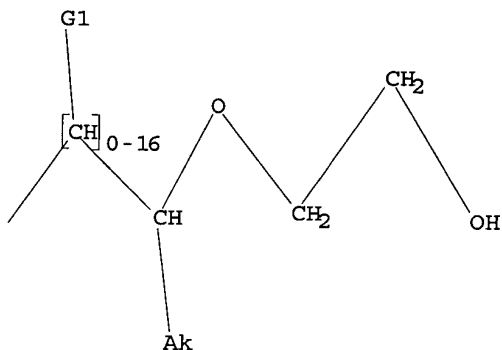
=> que L1

L2 QUE L1

=> d

L2 HAS NO ANSWERS

L1 STR



G1 H, Ak

Structure attributes must be viewed using STN Express query preparation.  
L2 QUE ABB=ON PLU=ON L1

=> s l1 full

FULL SEARCH INITIATED 14:47:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 868030 TO ITERATE

46.1% PROCESSED 400000 ITERATIONS

1057 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.40

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*INCOMPLETE\*\*

PROJECTED ITERATIONS: 868030 TO 868030

PROJECTED ANSWERS: 2150 TO 2436

L3 1057 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.55

148.76

FILE 'CAPLUS' ENTERED AT 14:48:26 ON 06 MAY 2003

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FILE COVERS 1907 - 6 May 2003 VOL 138 ISS 19  
FILE LAST UPDATED: 5 May 2003 (20030505/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 416 L3

=> d ibib abs hitstr 30-50

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L4 ANSWER 30 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:595034 CAPLUS  
 DOCUMENT NUMBER: 137:151580  
 TITLE: Oligonucleotide analogs containing linked bases, methods for their synthesis, and their use in modulating gene expression and treatment of diseases  
 INVENTOR(S): Segev, David  
 PATENT ASSIGNEE(S): Bio-Rad Laboratories, Inc., USA  
 SOURCE: PCT Int. Appl., 148 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002061110	A2	20020808	WO 2002-IL83	20020129
WO 2002061110	A1	20030206		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPL. INFO.: MARPAT 137:151580

AB Nucleic acid and oligonucleotide analogs contg. nucleobases attached to chiral carbons in the backbone and contg. gtoreq.1 paris of adjacent nucleobases covalently linked together are disclosed. The backbone may

be a polyether, e.g., PEG, or polyether deriva. such as poly(ether-thioether), poly(ether-sulfone), and poly(ether-sulfoxide). Linked dimer building blocks and methods for their synthesis as well as methods for soln. or solid phase synthesis of the oligo- and polynucleotide analogs are disclosed. The analogs may be used to modulate gene expression and

to treat diseases. Thus, the soln. phase and solid phase synthesis of PEG-linked oligo-T was demonstrated. The synthesis of a thymidine-linked thymidine dimer with PEG backbone was also shown.

IT 445377-35-5P 445377-41-3P 445377-44-6P  
 445377-49-1P 445377-52-6DP, conjugates with Wang resin  
 445377-54-8DP, conjugates with Wang resin 445377-58-2P  
 445377-60-6P 445377-75-3P 445377-80-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(oligonucleotide analogs contg. linked bases, methods for their synthesis, and their use in modulating gene expression and treatment

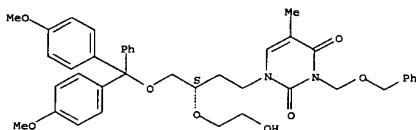
of diseases)

RN 445377-35-5 CAPLUS

CN Ethanol, 2-[(1S)-3-[(4-methoxyphenyl)methoxy]-1-

L4 ANSWER 30 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 3-(2-hydroxyethoxy)butyl]-5-methyl-3-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)

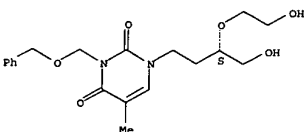
Absolute stereochemistry.



RN 445377-52-6 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 1-[(3S)-4-hydroxy-3-(2-hydroxyethoxy)butyl]-5-methyl-3-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



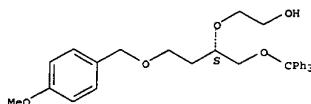
RN 445377-54-8 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 1,1'-[(3S,9S,15S)-3-[(bis(4-methoxyphenyl)phenylmethoxy)methyl]-9-[2-[3,4-dihydro-5-methyl-2,4-dioxo-3-[(phenylmethoxy)methyl]-1(2H)-pyrimidinyl]ethyl]-15-(2-hydroxyethoxy)-4,7,10,13-tetraoxaheptadecane-1,17-diyl]bis[5-methyl-3-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 30 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 [(triphenylmethoxy)methyl]propoxyl]- (9CI) (CA INDEX NAME)

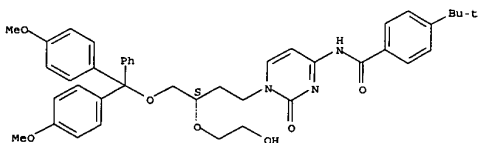
Absolute stereochemistry.



RN 445377-41-3 CAPLUS

CN Benzamide, N-[1-[(3S)-4-[bis(4-methoxyphenyl)phenylmethoxy]-3-(2-hydroxyethoxy)butyl]-1,2-dihydro-2-oxo-4-pyrimidinyl]-4-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

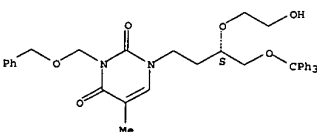
Absolute stereochemistry.



RN 445377-44-6 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 1-[(3S)-3-(2-hydroxyethoxy)-4-(triphenylmethoxy)butyl]-5-methyl-3-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

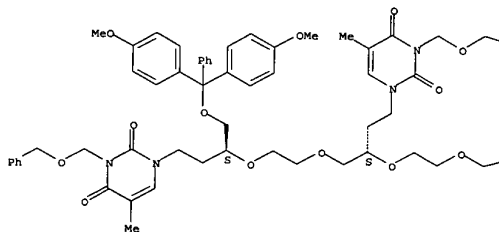


RN 445377-49-1 CAPLUS

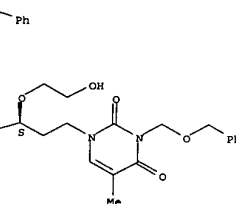
CN 2,4-(1H,3H)-Pyrimidinedione, 1-[(3S)-4-[bis(4-methoxyphenyl)phenylmethoxy]-

L4 ANSWER 30 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 1-B

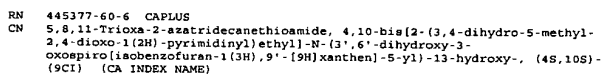


RN 445377-58-2 CAPLUS

CN 2,4-(1H,3H)-Pyrimidinedione, 1-[(3S)-4-amino-3-[2-[(2S)-4-(3,4-dihydro-5-methyl-2,4-dioxo-1(2H)-pyrimidinyl)-2-(2-hydroxyethoxy)butoxy]ethoxy]butyl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 30 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

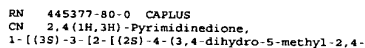


Absolute stereochemistry.

PAGE 1-A  
HO

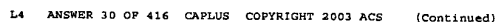


PAGE 1-B

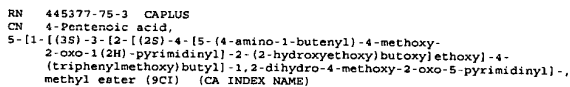


dioxo-1(2H)-pyrimidinyl]-2-(2-hydroxyethoxy)butoxy]ethoxy]-4-hydroxybutyl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



PAGE 1-B



Absolute stereochemistry.  
Double bond geometry unknown.

PAGE 1-A



ACCESSION NUMBER: 2002:575125 CAPLUS

DOCUMENT NUMBER: 137:141455

TITLE: Reaction system and molded foam articles prepared

INVENTOR(S): reduced mold residence time and improved quality  
Shidaker, Trent A.; Bareis, David W.; Gillis, Herbert R.

PATENT ASSIGNEE(S): Huntsman International LLC, USA

SOURCE: PCT Int. Appl., 61 pp.

CODEN :

DOCUMENT TYPE: Patent  
LANGUAGE: English

LANGUAGE: E  
FAMILY ACC NUM COUNT: A

FAMILY ACC. NUM. CO  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059175	A2	20020801	WO 2002-US1754	20020123

WO 200209175 A3 20021010

W: AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GM, GR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LG, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, MZ, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,

RW: UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 2001-263706P	P	20010124
US 2001-267246P	P	20010208
US 2001-272444P	P	20010301
US 2001-292244P	P	20010518

AB The molded articles are formed by reaction injection molding (RIM) of a polyisocyanate component with an isocyanate-reactive component in a mold, using a blowing agent such as water and an internal mold release agent

silicone surfactants. The molded articles are preferably composites, formed in the presence of a fibrous reinforcing material. The foam

articles have relatively short min. mold residence times, can be produced more economically than prior art composites, and show a redn. in phys. defects, such as splits and voids. Thus, a reaction molding compn.

Jeffel G 30-650 polyol 75.8, glycerol 5.69, and Rubinate 8700 and also contg. catalysts 0.76, Niax L550 surfactant 0.75, Loxiol G71S fatty acid 7.58, Unitol DSR fatty acid 4.93, Kemester 5721 0.84, pigment 0.3, DC 200 0.03, and water 0.67 parts was blown and molded into a foam panel >50 times (releases).

IT 444088-04-4P  
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(molded foam articles with reduced mold residence time and low mold

and voids) processed with reduced mold residence time and few sp

444088-04-4 CAPLUS

CN Isocyanic acid, polymethylenepolyphenylene ester, polymer with  
1,2,3-propanetriol and .alpha.,.alpha.,.alpha.'-1,2,3-  
propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanedyl)] (9CI) (CA

INDEX

NAME)

Kamal Saeed



10149139

L4 ANSWER 33 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:514330 CAPLUS  
 DOCUMENT NUMBER: 137:64626  
 TITLE: Water-soluble curable epoxy (meta)acrylates, their manufacture, compositions, and uses for water-thinned inks and coatings  
 INVENTOR(S): Fujii, Satoru; Hosomi, Tetsuya  
 PATENT ASSIGNEE(S): Nagase Kasei Kogyo K. K., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JRXXP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002194052	A2	20020710	JP 2000-394914	20001226
PRIORITY APPLN. INFO.:			JP 2000-394914	20001226

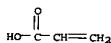
AB Water-sol. curable epoxy (meth)acrylates are manufd. by reaction of (meth)acrylates with polyglycidyl ethers (total Cl content .1toeq.2.0%) prepd. from polyhydroxy compds. and epichlorohydrin. Thus, 250.0 g Denacol EX 810 (ethylene glycol diglycidyl ether, total Cl content 0.6%) was esterified with 159.3 g acrylic acid in the presence of tetramethylammonium chloride and hydroquinone monomethyl ether to give an epoxy acrylate (acid value 2 mg KOH/g) showing good water soly. A compn. contg. the epoxy acrylate 50, H<sub>2</sub>O 30, ethylene glycol diacrylate 20, and Irgacure (photopolymn. initiator) 2 parts was applied on a steel sheet

and UV-cured to give a film showing good peel resistance.  
 IT 439216-18-9P, Epichlorohydrin-ethoxylated glycerol copolymer acrylate  
 RL: IMP (Industrial manufacture); PRP (Properties); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (manuf. of water-sol. curable epoxy (meta)acrylates for water-thinned inks and coatings)  
 RN 439216-18-9 CAPLUS  
 CN Oxirane, (chloromethyl)-, polymer with .alpha..alpha..alpha..1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 79-10-7

CMP C3 H4 O2



CM 2

L4 ANSWER 33 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 2

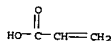
CRN 439216-18-9

CMP (C3 H5 Cl O) . (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3)x . x C3 H4 O2

CM 3

CRN 79-10-7

CMP C3 H4 O2



CM 4

CRN 439216-17-8

CMP (C3 H5 Cl O) . (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3)x

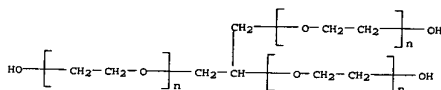
CCI PMS

CM 5

CRN 31694-55-0

CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3

CCI PMS



CM 6

CRN 106-89-8

CMP C3 H5 Cl O



L4 ANSWER 33 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 439216-17-8

CMP (C3 H5 Cl O) . (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3)x

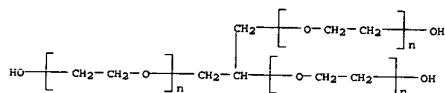
CCI PMS

CM 3

CRN 31694-55-0

CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3

CCI PMS



CM 4

CRN 106-89-8

CMP C3 H5 Cl O



IT 439216-30-5P, Epichlorohydrin-polyethylene glycol glycerin ether copolymer acrylate-ethylene glycol diacrylate copolymer  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (manuf. of water-sol. curable epoxy (meta)acrylates for water-thinned inks and coatings)

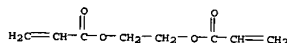
RN 439216-30-5 CAPLUS  
 CN 2-Propenoic acid, 1,2-ethanediyl ester, polymer with (chloromethyl)oxirane

polymer with .alpha..alpha..alpha..1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2274-11-5

CMP C8 H10 O4



L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:466724 CAPLUS

DOCUMENT NUMBER: 137:48627

TITLE: Water-borne coating composition and forming smooth multilayer coating film

INVENTOR(S): Harakawa, Tsuyoshi; Murayama, Masaru; Seo, Shinji; Tsuji, Naohiro

PATENT ASSIGNEE(S): Japan U.S. Pat. Appl. Publ., 19 pp.

SOURCE: CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002077410	A1	20020620	US 2001-944199	20010904
GB 2369365	A1	20020529	GB 2001-21020	20010830
JP 2003113342	A2	20030418	JP 2001-261334	20010830
PRIORITY APPLN. INFO.:			JP 2000-265208	A 20000901
			JP 2000-265209	A 20000901
			JP 2001-237070	A 20010803
			JP 2001-237071	A 20010803

AB A waterborne base compn. comprises an emulsion resin obtained by emulsion polymn. of an .alpha..beta.-ethylenically unsatd. monomer mixt. or a water-sol. polyester and 0.01-20% urethane compd. additive contributing

to stable viscosity and film smoothness. Thus, an aq. dispersion type acrylic resin 250.0, second water-sol. acrylic resin 32.3, luster color pigment paste C-1 66.3, Cymel 204 25.3, and Adekanol SDX-1014 (urethane, active ingredient content 30%) 1.7 parts were mixed and the mixt. was adjusted to pH 8 by adding a 10% aq. soln. of dimethylaminoethanol to

give a waterborne base coating compn. The application viscosity of this waterborne base coating (a single cylindrical rotational viscometer at 6 rpm and 25.degree.) was 1100 mPa.s.

IT 437992-82-0P 437992-84-2P  
 RL: IMP (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (water-borne coating compn. contg. urethane compd. forming smooth multilayer coating film with good flip-flop property)

RN 437992-82-0 CAPLUS

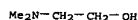
CN 2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, methyl 2-propenoate, .alpha.-[1-((nonylphenoxy)methyl)-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenamide and .alpha.-sulfo-.omega.-[4-nonyl-2-(1-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) monoammonium salt,

compd. with 2-(dimethylamino)ethanol (9CI) (CA INDEX NAME)

CM 1

CRN 108-01-0

CMP C4 H11 N O



Kamal Saeed

10149139

L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 2

CRN 437992-81-9

CMF (C8 H8 . C5 H8 O3 . C5 H8 O2 . C4 H6 O2 . C4 H6 O2 . C3 H5 N O . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x

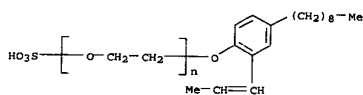
CCI PMS

CM 3

CRN 140651-97-4

CMF (C2 H4 O)n C18 H28 O4 S . H3 N

CCI PMS



CM 4

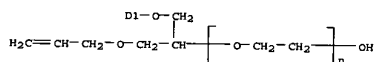
CRN 111144-60-6

CMF (C2 H4 O)n C21 H34 O3

CCI IDS, PMS



D1- (CH2)8-Me



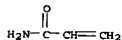
CM 5

L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 10

CRN 79-06-1

CMF C3 H5 N O



RN 437992-84-2 CAPLUS

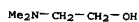
CM 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, methyl 2-propenoate, .alpha.-[1-

[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenamide and .alpha.-sulfo-.omega.-[4-nonyl-2-(1-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) monoammonium salt, compd. with 2-(dimethylamino)ethanol (9CI) (CA INDEX NAME)

CM 1

CRN 108-01-0

CMF C4 H11 N O



CM 2

CRN 437992-83-1

CMF (C5 H8 O3 . C5 H8 O2 . C4 H6 O2 . C4 H6 O2 . C3 H5 N O . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x

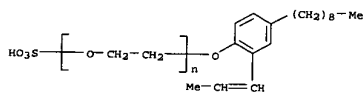
CCI PMS

CM 3

CRN 140651-97-4

CMF (C2 H4 O)n C18 H28 O4 S . H3 N

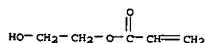
CCI PMS



L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 818-61-1

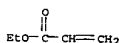
CMF C5 H8 O3



CM 6

CRN 140-88-5

CMF C5 H8 O2



CM 7

CRN 100-42-5

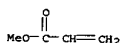
CMF C8 H8



CM 8

CRN 96-33-3

CMF C4 H6 O2



CM 9

CRN 79-41-4

CMF C4 H6 O2



L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 4

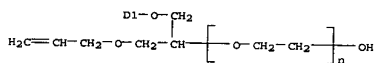
CRN 111144-60-6

CMF (C2 H4 O)n C21 H34 O3

CCI IDS, PMS



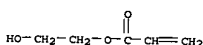
D1- (CH2)8-Me



CM 5

CRN 818-61-1

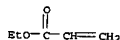
CMF C5 H8 O3



CM 6

CRN 140-88-5

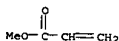
CMF C5 H8 O2



CM 7

CRN 96-33-3

CMF C4 H6 O2



Kamal Saeed

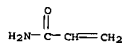
10149139

L4 ANSWER 34 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 8  
CRN 79-41-4  
CMF C4 H6 O2



CM 9  
CRN 79-06-1  
CMF C3 H5 N O



L4 ANSWER 35 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:45354 CAPLUS  
DOCUMENT NUMBER: 138:49379  
TITLE: A surface plasmon resonance analysis of the interaction between the antibiotic moenomycin A and penicillin-binding protein 1b  
AUTHOR(S): Stembera, Katharina; Vogel, Stefan; Buchynskyy, Andrii; Ayala, Juan A.; Welzel, Peter  
CORPORATE SOURCE: Institut fuer Organische Chemie, Universitat Leipzig, Leipzig, 04103, Germany  
SOURCE: ChemBioChem (2002), 3(6), 559-565  
CODEN: CBCHFX; ISSN: 1439-4227  
PUBLISHER: Wiley-VCH Verlag GmbH  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The antibiotic moenomycin A inhibits the biosynthesis of peptido-glycan, the main structural polymer of the bacterial cell wall. The inhibition is

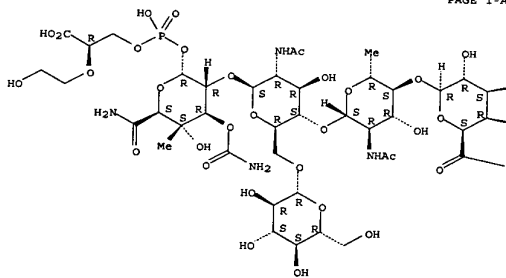
based on a reversible binding of the antibiotic to one of the substrate binding sites in enzymes such as penicillin-binding (PB) 1b. A novel assay based on surface plasmon resonance (SPR) has been established that can be used to investigate selective binding of the moenomycin sugar moiety and other transglycosylase inhibitors to this enzyme. Suitable ligands were prepd. from moenomycin A and coupled to SPR sensor surfaces. Moenomycin analogs with structural variations were used to perform competitive SPR expts. with PBP 1b. The SPR results confirm for the first time that the trisaccharide fragment of moenomycin A (C-E-F-G-H-1) is the minimal structure that possesses all moieties sufficient for biol. activity and for affinity towards PBP 1b. The method seems to be appropriate for use in screens for transglycosylase inhibitors that bind to the moenomycin-binding site of the enzyme.

IT 303185-59-3  
RL: PAC (Pharmacological activity); BIOL (Biological study)  
(a surface plasmon resonance anal. of the interaction between the antibiotic moenomycin A and penicillin-binding protein 1b)  
RN 303185-59-3 CAPLUS  
CN .alpha.-D-Glucopyranuronamide, O-.beta.-D-galactopyranuronamidoyl-1-(1.fwdarw.4)-O-2-(acetylamino)-2,6-dideoxy-.beta.-D-glucopyranosyl-1-(1.fwdarw.4)-O-2-(.beta.-D-glucopyranosyl-1-(1.fwdarw.6))-O-2-(acetylamino)-2-deoxy-.beta.-D-glucopyranosyl-1-(1.fwdarw.2)-4-C-methyl-, 3-carbamate 1-[(2R)-2-carboxy-2-(2-hydroxyethoxy)ethyl hydrogen phosphate] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 35 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



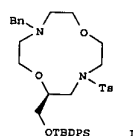
PAGE 1-B



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L4 ANSWER 36 OF 416 CAPLUS COPYRIGHT 2003 ACS

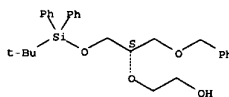
ACCESSION NUMBER: 2002:449320 CAPLUS  
DOCUMENT NUMBER: 137:78941  
TITLE: Synthesis of optically pure diaza-12-crown-4 with a pendant group  
AUTHOR(S): Lee, Chi-Wan  
CORPORATE SOURCE: Department of Chemistry, Center for Superfunctional Materials, Pohang University of Science and Technology, Pohang, 790-784, S. Korea  
SOURCE: Synthetic Communications (2002), 32(10), 1595-1600  
CODEN: SYNCV; ISSN: 0039-7911  
PUBLISHER: Marcel Dekker, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 137:78941  
OI



AB An optically pure diaza-12-crown-4 1, contg. a 2-hydroxymethyl sidearm, has been synthesized in fully protected form starting from (R)-1-O-benzylglycerol.

IT 261959-92-6  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(stereoselective prepn. of a chiral diaza-12-crown-4 compd. via a multistep sequence starting from (R)-1-O-benzylglycerol)  
RN 261959-92-6 CAPLUS  
CN Ethanol, 2-[(S)-1-[[[(1,1-dimethylethyl)diphenylmethyl]oxy]methyl]-2-(phenylmethoxy)ethoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



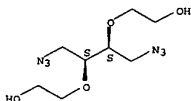
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10149139

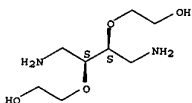
L4 ANSWER 37 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:403135 CAPLUS  
 DOCUMENT NUMBER: 137:337844  
 TITLE: Asymmetric synthesis of novel C2-symmetric  
 bimorpholines  
 AUTHOR(S): Kanger, Tonis; Kriis, Kadri; Pehk, Tonis; Muurisepp,  
 Aleksander-Mati; Lopp, Margus  
 CORPORATE SOURCE: Institute of Chemistry, Tallinn Technical University,  
 Tallinn, 12618, Estonia  
 SOURCE: Tetrahedron: Asymmetry (2002), 13(8), 857-865  
 CODEN: TASYE3; ISSN: 0957-4166  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Novel heterocycles, (2S,2'S)-bimorpholine and (3S,3'S)-bimorpholine, were  
 synthesized in >98% e.e. starting from tartaric acid ester. 1H- and  
 13C-NMR chem. shifts of the bimorpholines and their derivs. are also  
 measured and discussed.  
 IT 389633-60-7P 474333-97-6P 474333-98-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 RN (asym. synthesis and NMR spectra of novel C2-sym. bimorpholines)  
 389633-60-7 CAPLUS  
 CN Ethanol, 2,2'-[[[(1S,2S)-1,2-bis(azidomethyl)-1,2-ethanediyl]bis(oxy)]bis-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 474333-97-6 CAPLUS  
 CN Ethanol, 2,2'-[[[(1S,2S)-1,2-bis(aminomethyl)-1,2-ethanediyl]bis(oxy)]bis-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 474333-98-7 CAPLUS  
 CN Carbamic acid, [(2S,3S)-2,3-bis(2-hydroxyethoxy)-1,4-butanediyl]bis-,

L4 ANSWER 38 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:397698 CAPLUS  
 DOCUMENT NUMBER: 136:402820  
 TITLE: Transparent multilayer antireflective films having  
 roughness-controlled middle layers  
 INVENTOR(S): Nishikawa, Akira; Sugiyama, Naoki  
 PATENT ASSIGNEE(S): Jer Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
 CODEN: JKKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

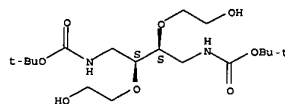
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002154183	A2	20020528	JP 2000-354971	20001121

PRIORITY APPLN. INFO.: JP 2000-354971 20001121

AB The films comprise (A) 1-30-.mu.m-thick hard coating layers contg. silica  
 particles of no. av. diam. (Dn) 5-300 nm, (B) 0.05-0.5-.mu.m-thick middle  
 layers contg. inorg. oxide particles of Dn 5-300 nm and satisfying  
 surface roughness (Rz; JIS B 0601) 0.01-2 .mu.m, and (C) 0.05-0.5-.mu.m-thick  
 surface layers contg. P compds. and/or Si compds. and satisfy hardness of  
 A layer (JIS K 5400, measured on PET) .gtoreq. H and reflectance at  
 400-800 nm .ltoreq. 2.0%. The hard coating layer may be photocured materials  
 prepd. from trimethylolpropane tri(meth)acrylate, trimethylolpropane  
 trioxethyl(meth)acrylate, and/or (di)pentaerythritol  
 penta(meth)acrylate.  
 Thus, a trilayer film comprising 0.1-.mu.m-thick layer [prepd. from Adeka  
 Reasop NE 30 (reactive emulsifier), Et vinyl ether, hydroxyethyl vinyl  
 ether, perfluoropropyl vinyl ether, hexafluoropropylene, Cymel 303  
 (alkoxylated methylamine), and VFS 1001 (silicone-contg.  
 macro-initiator)], 0.1-.mu.m-thick layer (Rz 0.071) comprising a  
 photocured polymer of a reaction product of  
 mercaptopropyltrimethoxysilane  
 (I), isophorone diisocyanate (II), and pentaerythritol triacrylate (III)  
 and SNS 10M (antimony-doped tin oxide, Dn 22 nm), and 10.0-.mu.m-thick  
 layer comprising a polymer from the above reaction product from I, II,  
 and III, NK Ester A TMPT (trimethylolpropane triacrylate), and NK Ester A  
 TMPT 3EO (trimethylolpropane trioxethylacrylate) and MEK ST (silica sol, Dn  
 22 nm), was laminated on a polyester (A 4300) film to give an antireflective  
 film showing reflectance 0.1% at 340-700-nm, haze 1.3%, hardness 3H, and  
 excellent scratch resistance.  
 IT 431079-45-7P  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material  
 Use); PREP (Preparation); USES (Uses)  
 (surface layers; scratch-resistance transparent multilayer  
 antireflective films)  
 RN 431079-45-7 CAPLUS  
 CN Formaldehyde, polymer with dimethylsilanediol, 2-(ethenyloxy)ethanol,  
 ethoxyethene, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane,  
 1,1,2,3,3,3-hexafluoro-1-propene, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-  
 propenyloxy)ethyl]-.omega.-hydroxypropyl(oxy-1,2-ethanediyl) and  
 1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

L4 ANSWER 37 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



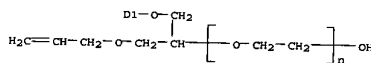
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR  
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L4 ANSWER 38 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CM 1

CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

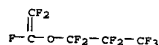


D1-(CH2)8-Me



CM 2

CRN 1623-05-8  
 CMF C5 F10 O



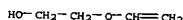
CM 3

CRN 1066-42-8  
 CMF C2 H8 O2 Si



CM 4

CRN 764-48-7  
 CMF C4 H8 O2



Kamal Saeed

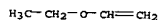
10149139

L4 ANSWER 38 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

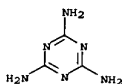
CM 5

CRN 116-15-4  
CMF C3 F6

CM 6

CRN 109-92-2  
CMF C4 H8 O

CM 7

CRN 108-78-1  
CMF C3 H6 N6

CM 8

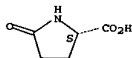
CRN 50-00-0  
CMF C H2 O

L4 ANSWER 39 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 2

CRN 98-79-3  
CMF C5 H7 N O3

Absolute stereochemistry. Rotation (-).



L4 ANSWER 39 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:384570 CAPLUS  
DOCUMENT NUMBER: 136:387630  
TITLE: Softeners for tissue paper for imparting good flexibility and moisture feel  
INVENTOR(S): Takatsu, Hisao; Asada, Shigenori; Iimura, Masato  
PATENT ASSIGNEE(S): Meisei Chemical Works, Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

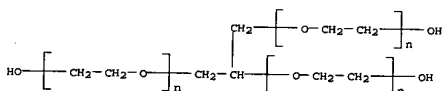
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002146698	A2	20020522	JP 2000-335959	20001102

PRIORITY APPLN. INFO.: JP 2000-335959 20001102

AB The softeners comprise (A) .gtoreq.1 amino acid compds. selected from asparagine acid, glutamic acid, Na glutamate, arginine, cysteine and proline and/or (B) .gtoreq.1 amino acid-type surfactants derived from oleic acid, lauric acid, myristic acid, and stearic acid deriva. of pyroglutamic acid fatty acid glycerol esters, polyoxyethylene glycerol ether pyroglutamic acid fatty acid diesters, polyoxyethylene hydrogenated castor oil ether pyroglutamic acid fatty acid diesters, fatty acid acyl L-glutamic acid and its salts, N-coco fatty acid acyl L-arginine Et D,L-pyrrolidonecarboxylic acid salts. Thus, glutamic acid was sprayed (0.5% on pulp wt.) onto a tissue paper, resulting in good soft and moisture feel.

IT 428520-24-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(softeners for tissue paper for imparting good flexibility and moisture feel)  
RN 428520-24-5 CAPLUS  
CN L-Proline, 5-oxo-, ester with .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] (2:1) (9CI)  
(CA INDEX NAME)

CM 1

CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

L4 ANSWER 40 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:384399 CAPLUS  
DOCUMENT NUMBER: 136:403298  
TITLE: Aqueous jet printing inks  
INVENTOR(S): Nakano, Yukihiko; Nagashima, Shigeki  
PATENT ASSIGNEE(S): KAO Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

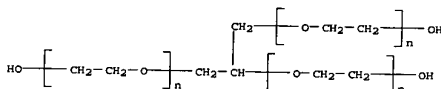
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002146253	A2	20020522	JP 2000-350631	20001117

PRIORITY APPLN. INFO.: JP 2000-350631 20001117

AB Inks contain aq. media, coloring agents, and 0.01-50% polyoxyalkylene glycol hydrocarbyl (optionally contg. hetero atoms) ethers and/or polyhydric alc. (optionally contg. hetero atoms) alkoxyate hydrocarbyl (optionally contg. hetero atoms) ethers. Thus, an ink contained 2-pyrrolidone 10, glycerin 4, phenylene glycol ethoxylate di-Me ether 8, isopropanol 1, H2O 47, and an aq. fine polymer dispersion contg. anionic carbon black 30 g.

IT 428878-87-9 428878-88-0  
RL: TEM (Technical or engineered material use); USES (Uses)  
(aq. jet printing inks contg. coloring agents and polyoxyalkylene glycol ethers)  
RN 428878-87-9 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxy-, monomethyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

CM 2

CRN 67-56-1  
CMF C H4 O

RN 428878-88-0 CAPLUS

Kamal Saeed

Kamal Saeed

L4 ANSWER 43 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:305858 CAPLUS  
 DOCUMENT NUMBER: 136:327038  
 TITLE: Polyester compositions, manufacture of their solutions or dispersions, and their uses  
 INVENTOR(S): Maehimo, Yukifumi; Nakagami, Yoshiaki  
 PATENT ASSIGNEE(S): Toyo Ink Mfg. Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXXA  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002121363	A2	20020423	JP 2000-314575	20001016

PRIORITY APPLN. INFO.: JP 2000-314575 20001016  
 AB The compns., capable of giving cured products without generation of formaldehyde, and useful for coatings on beverage cans, etc., comprise

(A) acid anhydride-contg. polyesters (Mn 1000-5000) prepd. from (a) polyester polyols contg. 1-10 mol% gtoeq.3-functional components and (b) trimellitic anhydride and (B) polyester polyols (Mn 1000-20,000, OH value 20-200 mg KOH/g) contg. 1-10 mol% gtoeq.3-functional components. Thus, a compn. contg. (A) di-Me terephthalate-ethylene glycol-isophthalic acid-neopentyl glycol-trimethylolpropane copolymer trimellitic anhydride ester (Mn 1200, acid anhydride equiv 750) and (B) di-Me terephthalate-ethylene glycol-isophthalic acid-neopentyl glycol-trimethylolpropane copolymer (Mn 2000, OH value 100 mg KOH/g) was applied on a tin plate and baked to give a coating with good processability and resistance to MEK and retort treatment.

IT 414896-84-7P, Dimethyl terephthalate-ethylene glycol-isophthalic acid-neopentyl glycol-trimethylolpropane copolymer trimellitic anhydride and isopropyl Cellosolve ester

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation);

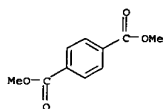
RACT (Reactant or reagent)  
 (solvent- and retort-resistant polyester coating compns. for beverage cans)

RN 414896-84-7 CAPLUS  
 CN 1,3-Benzenedicarboxylic acid, polymer with dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol and 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,3-dihydro-1,3-dioxo-5-isobenzofuran-2-carboxylate, 2-(1-methylethoxy)ethyl ester (9CI) (CA INDEX NAME)

CM 1

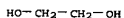
CRN 552-30-7  
 CMF C9 H4 O5

L4 ANSWER 43 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CRN 120-61-6  
 CMF C10 H10 O4



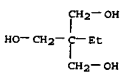
CM 7

CRN 107-21-1  
 CMF C2 H6 O2

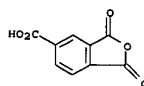


CM 8

CRN 77-99-6  
 CMF C6 H14 O3

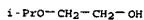


L4 ANSWER 43 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 109-59-1  
 CMF C5 H12 O2

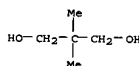


CM 3

CRN 66348-01-4  
 CMF (C10 H10 O4 . C8 H6 O4 . C6 H14 O3 . C5 H12 O2 . C2 H6 O2)x  
 CCI PMS

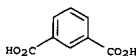
CM 4

CRN 126-30-7  
 CMF C5 H12 O2



CM 5

CRN 121-91-5  
 CMF C8 H6 O4



CM 6

L4 ANSWER 44 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:305724 CAPLUS  
 DOCUMENT NUMBER: 136:330310  
 TITLE: Cosmetic packs containing oils soluble in water and glyceryl tri-2-ethylhexanoate  
 INVENTOR(S): Omori, Takeshi; Miyahara, Reiji; Kanokogi, Hiroyuki; Nanba, Tomiyuki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.  
 CODEN: JKXXXA  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002121115	A2	20020423	JP 2001-223841	20010725

PRIORITY APPLN. INFO.: JP 2000-238125 A 20000807

OTHER SOURCE(S): MARPAT 136:330310  
 AB Cosmetic packs, which have smooth and refreshing skin feel and show good moisturizing effect, contain 0.001-20% liq. oily components whose oily.

in water is 1-15% at 25.degree. and that in glyceryl tri-2-ethylhexanoate gtoeq.5% at 25.degree.. A pack was prepd. from glycerin 5, 1,3-butylene

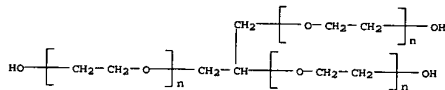
glycol 5, carboxyvinyl polymer 0.4, CM-cellulose 0.2, KOH 0.02, EtOH 5, polyoxyethylene caprate glycerin 0.1, methylparaben 0.1%, and H2O balance.

IT 404333-03-5, Polyoxyethylene glyceryl octyl ether  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic packs contg. oils sol. in water and glyceryl ethylhexanoate)

RN 404333-03-5 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha., .alpha., .alpha., .alpha., 1,2,3-propanetriyltris[.omega.-hydroxy-, octyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



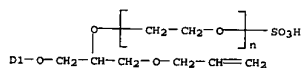
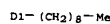
CM 2

CRN 111-87-5  
 CMF C8 H18 O



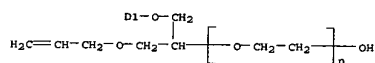
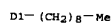
10149139

L4 ANSWER 46 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS



CM 3

CRN 1321-74-0  
 CMF C10 H10  
 CCI IDS

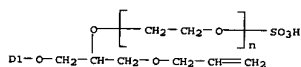
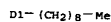
L4 ANSWER 46 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 410547-55-6 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly[oxy-1,2-ethanediyl], 2-propenoic acid, .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly[oxy-1,2-ethanediyl] ammonium salt and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

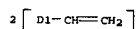
CRN 113405-85-9  
 CMF (C2 H4 O)n C21 H34 O6 S . H3 N  
 CCI IDS, PMS



CM 2

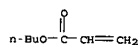
CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

L4 ANSWER 46 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4

CRN 141-32-2  
 CMF C7 H12 O2



CM 5

CRN 100-42-5  
 CMF C8 H8



CM 6

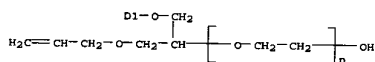
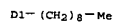
CRN 80-62-6  
 CMF C5 H8 O2



CM 7

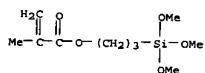
CRN 79-41-4  
 CMF C4 H6 O2

L4 ANSWER 46 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



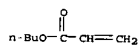
CM 3

CRN 2530-85-0  
 CMF C10 H20 O5 S1



CM 4

CRN 141-32-2  
 CMF C7 H12 O2



CM 5

CRN 100-42-5  
 CMF C8 H8



CM 6

CRN 80-62-6  
 CMF C5 H8 O2

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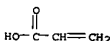
10149139

L4 ANSWER 46 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 7

CRN 79-10-7  
CMP C3 H4 O2



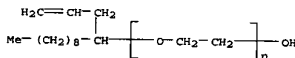
L4 ANSWER 47 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:286724 CAPLUS  
DOCUMENT NUMBER: 136:311684  
TITLE: Radically polymerizable surfactants and modified polymers using them by emulsion polymerization  
INVENTOR(S): Ishikawa, Yoshinobu  
PATENT ASSIGNEE(S): Kao Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114846	A2	20020416	JP 2000-305743	20001005
PRIORITY APPLN. INFO.:			JP 2000-305743	20001005

AB The invention relates to radically polymerizable compds. [R1CH:CR2YpCR3R4O(R5O)n]x (R1 = H, Me; R2, R3 = H, C1-18-hydrocarbyl; R4 = C1-18-hydrocarbyl; Y = C1-14-hydrocarbylene; p = 0, 1; R5 = C2-18-hydrocarbylene; n = 0-1000; X = H, hydrophilic group; a = 1, 2). Thus, ethoxylated propoxylated 1-nonene-4-ol was sulfonated, neutralized with ammonia, and polymd. with acrylic acid, Bu acrylate, and Me methacrylate in H2O to give an aq. emulsion showing residual emulsifier content 8.6%, suppressed aggregation in polymn., and good mech. stability.

IT 410082-42-7P  
RL: IMP (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(radically polymerizable reactive emulsifiers for polymer modification)

RN 410082-42-7 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-(2-propenyl)decyl]-.omega.-hydroxy-(9CI) (CA INDEX NAME)



IT 410082-48-3P  
RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(radically polymerizable reactive emulsifiers for polymer modification)

RN 410082-48-3 CAPLUS  
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, 2-propenoic acid, .alpha.-[1-(2-propenyl)decyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 1-(2-propenyl)octyl hydrogen sulfate ammonium salt, graft, ammonium salt (9CI) (CA INDEX NAME)

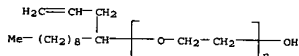
CM 1

L4 ANSWER 47 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 410082-47-2  
CMP {C11 H22 O4 S . C7 H12 O2 . C5 H8 O2 . C3 H4 O2 . (C2 H4 O)n C13 H26 O . H3 N}x  
CCI FMS

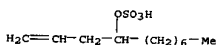
CM 2

CRN 410082-42-7  
CMP {C2 H4 O)n C13 H26 O  
CCI FMS



CM 3

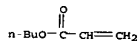
CRN 410082-39-2  
CMP C11 H22 O4 S . H3 N



● NH3

CM 4

CRN 141-32-2  
CMP C7 H12 O2



CM 5

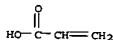
CRN 80-62-6  
CMP C5 H8 O2



L4 ANSWER 47 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 6

CRN 79-10-7  
CMP C3 H4 O2



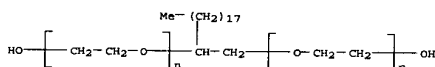
Kamal Saeed

10149139

L4 ANSWER 48 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:286723 CAPLUS  
 DOCUMENT NUMBER: 136:286569  
 TITLE: Alkoxylated 1,2-diol nonionic surfactants, their manufacture, and uses  
 INVENTOR(S): Matsuoka, Masahiro; Yamashita, Seiji; Katsukawa, Yoshitaka  
 PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114844	A2	20020416	JP 2000-366459	20001201

PRIORITY APPLN. INFO.: JP 2000-237465 A 20000804  
 OTHER SOURCE(S): MARPAT 136:296569  
 AB The invention relates to 1,2-diol alkylene oxide adducts R1CH(CH2O(AO)nH)O(AO)mH (R1 = C1-30-hydrocarbon group, may contain aliph. and/or alicyclic O; AO = C2-8-alkylene oxide; m + n = 1-35; m, n = 0-20) satisfying the relationship of  $0 < [Ln(X/0.1644)] / (100-Y) \cdot \text{ltoreq. } 0.044$  (Y = molar ratio (mol%) of the adduct with m = 0; X = (av. of m) + (av. of n)). The alkoxylated 1,2-diols with reduced difference in the alkoxylation degrees on position 1 and 2 are manufd. with this method. Thus, 1,2-dihydroxydodecane was reacted with ethylene oxide in the presence of aluminum perchlorate to give a 1,2-ethoxylated adduct showing viscosity (35% aq. soln. at 25.degree.) 80 mPa-s and good foamability.  
 408501-59-7P  
 IT RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (alkoxylated 1,2-diol nonionic surfactants with uniform alkoxylation degrees on 1 and 2 positions)  
 RN 408501-59-7 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(1-octadecyl-1,2-ethanediyl)bis[.omega.-hydroxy- (9CI) (CA INDEX NAME)]



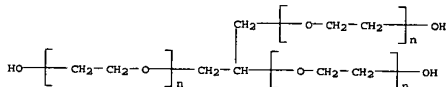
L4 ANSWER 49 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CRN 111-87-5  
 CMP C8 H18 O

HO-(CH2)7-Me

L4 ANSWER 49 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:286119 CAPLUS  
 DOCUMENT NUMBER: 136:314769  
 TITLE: Antiperspirant aerosol compositions containing liq. oily components, powders, and propellants  
 INVENTOR(S): Omori, Takashi; Miyahara, Reiji; Kanokogi, Hiroyuki; Nanba, Tomiyuki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114661	A2	20020416	JP 2001-223842	20010725

PRIORITY APPLN. INFO.: JP 2000-236458 A 20000804  
 OTHER SOURCE(S): MARPAT 136:314769  
 AB The invention relates to an antiperspirant aerosol compn. providing excellent use feel and powder attachment without leaving white color on skin, wherein the compn. contains a liq. oily component which is 1-15 % sol. in water at 25.degree. and gtoreq. 5 % sol. in glyceryl tri-2-ethylhexanoate, powders, and a propellant. An antiperspirant aerosol compn. contg. dimethylpolysiloxane 2, octyl octanoate 2, glycerin polyoxyethylene caprate 10, sorbitan oleate 1, preservative q.s., fragrance q.s., aluminum hydroxychloride 3, zinc oxide 2, silica 3, corn starch 0.1, calcium stearate 0.1, and liq. petroleum gas balance to 100 % was formulated.  
 404333-03-5. Polyoxyethylene glyceryl octyl ether  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (antiperspirant aerosol compns. contg. liq. oily components, powders and propellants)  
 RN 404333-03-5 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxy-, octyl ether (9CI) (CA INDEX NAME)]  
 CM 1  
 CRN 31694-55-0  
 CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS

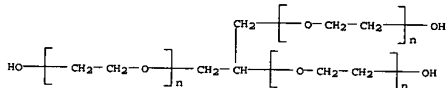


CM 2

L4 ANSWER 50 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:286107 CAPLUS  
 DOCUMENT NUMBER: 136:299496  
 TITLE: Cosmetics containing oils and powders  
 INVENTOR(S): Omori, Takashi; Miyahara, Reiji; Kanokogi, Hiroyuki; Nanba, Tomiyuki  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114624	A2	20020416	JP 2001-223840	20010725

PRIORITY APPLN. INFO.: JP 2000-232589 A 20000801  
 OTHER SOURCE(S): MARPAT 136:299496  
 AB This invention relates to cosmetics comprising (1) liq. oils which show a soly. of 1-15 % in water and gtoreq. 5 % in glycerol tri(2-ethylhexanoate) at 25.degree., (2) alkyl-modified carboxyvinyl polymers, and (3) multiporous or water absorptive powders. The oils can be polyoxyethylene fatty acid polyhydric alc. esters, polyoxyethylene alkyl polyhydric ethers, dialkyldipolyoxyethylene alkylene ethers, polyoxyethylene dialkyl esters, polyoxyethylene dialkyl ethers, and polyhydric alc. esters. The cosmetics are smoothly applied and do not show whiteness of the powders. A lotion contained ethanol 5, glycerin 3, 1,3-butylene glycol 5, polyoxyethylene caprate glyceride 10, alkyl-modified carboxyvinyl polymers 0.2, xanthan gum 0.1, paraffin oils 0.1, KOH 0.1, Na pyridonecarboxylate 0.5, methylparaben 0.1, starch 20, succinic acid 0.01, Na succinate 0.09, and water balance to 100 %.  
 404333-03-5  
 IT RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetics contg. oils and powders and carboxyvinyl polymers)  
 RN 404333-03-5 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxy-, octyl ether (9CI) (CA INDEX NAME)]  
 CM 1  
 CRN 31694-55-0  
 CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 2

CRN 111-87-5  
 CMP C8 H18 O

Kamal Saeed

10149139

L4 ANSWER 50 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

HO-(CH<sub>2</sub>)<sub>7</sub>-Me

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Kamal Saeed

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L4 ANSWER 400 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:726085 CAPLUS  
 DOCUMENT NUMBER: 123:183408  
 TITLE: Electrophotographic photoreceptor and electrophotographic apparatus using same  
 INVENTOR(S): Aoto, Hiroshi; Mayama, Shinya; Sakakibara, Teigo; Mori, Shigeo; Shiraiwa, Tetsuo; Kono, Michuki  
 PATENT ASSIGNEE(S): Canon Kk, Japan; Dai Ichi Kogyo Seiyaku Co Ltd  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07077818	A2	19950320	JP 1993-247344	19930909

PRIORITY APPL. INFO.: JP 1993-247344 19930909  
 AB In the title electrophotog. photoreceptor comprising on its substrate an intermediate layer and a photosensitive layer, the intermediate layer comprises a In oxide-Sn oxide solid soln. fine powder and/or a Sn oxide-Sb oxide solid soln. fine powder, and a polyether-polyurethane binder resin, and has a pencil hardness of .gtoreq.H. Also claimed is an electrophotog. copier which utilizes the above photoreceptor and a direct charging method.  
 IT 166732-94-1 166732-97-4  
 RL: DEV (Device component use); USES (Uses)  
 (electrophotog. photoreceptor intermediate layer from)  
 RN 166732-94-1 CAPLUS  
 CN Benzene, 2,4-isocyanato-1-methyl-, polymer with .alpha.,.alpha.,.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], phosphate  
 (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2  
 CMF H3 O4 P



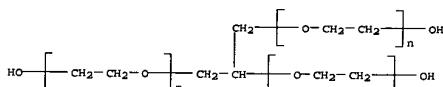
CM 2

CRN 106377-10-0  
 CMF (C9 H6 N2 O2 . (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3)x

L4 ANSWER 400 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CRN 110726-54-0  
 CMF (C8 H12 N2 O2 . (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3)x  
 CCI PMS

CM 3

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 4

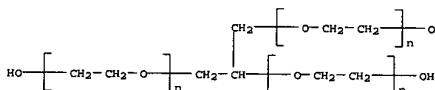
CRN 822-06-0  
 CMF C8 H12 N2 O2

OCN<sup>-</sup> (CH<sub>2</sub>)<sub>6</sub>-NCO

L4 ANSWER 400 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CCI PMS

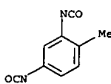
CM 3

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 4

CRN 584-84-9  
 CMF C9 H6 N2 O2



RN 166732-97-4 CAPLUS  
 CN Hexane, 1,6-diisocyanato-, polymer with .alpha.,.alpha.,.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], phosphate  
 (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2  
 CMF H3 O4 P



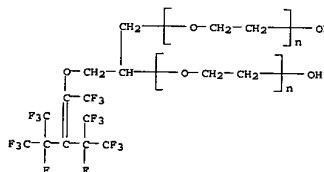
CM 2

L4 ANSWER 401 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:691137 CAPLUS  
 DOCUMENT NUMBER: 123:97942  
 TITLE: Radiation sensitive resist composition.  
 INVENTOR(S): Inoue, Masaaki; Taira, Kazuo; Yumoto, Yoshiji; Miura, Takao  
 PATENT ASSIGNEE(S): Japan Synthetic Rubber Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 27 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 623499	A1	19950111	EP 1994-304991	19940706

R: DE, FR, GB, IT, NL  
 JP 07028230 A2 19950131 JP 1993-191838 19930707

PRIORITY APPL. INFO.: JP 1993-191838 19930707  
 AB A radiation-sensitive resist compn. comprises a surface active agent having a perfluoralkenyl group having .gtoreq.6 C atoms in the mol. When the resist compn. is filtered through a filter, the surface active agent is not adsorbed by the filter, so that striation is not caused and a coating film having a uniform thickness is always stably obtained from the above compn. The resist compn. is also excellent in developability.  
 IT 165178-74-5  
 RL: MCA (Modifier or additive use); USES (Uses)  
 (surfaceact for photoresist compn.)  
 RN 165178-74-5 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[1-[[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]methyl]-1,2-ethanediyl]bis[.omega.-hydroxy- (9CI) (CA INDEX NAME)

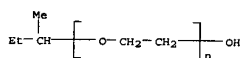


Kamal Saeed

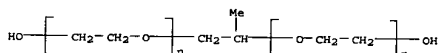
L4 ANSWER 402 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:613142 CAPLUS  
 DOCUMENT NUMBER: 123:72694  
 TITLE: Detergent composition containing aliphatic branched alcohol ethylene oxide adduct for electronic parts  
 INVENTOR(S): Kono, Takeshi; Kikazawa, Shigeru; Nabeshima, Toshiichi; Sato, Hisami; Kosuge, Atsumi  
 PATENT ASSIGNEE(S): Dai Ichi Kogyo Sanyaku Co Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07090657	A2	19950404	JP 1993-264231	19930927
JP 3255513	B2	20020212		

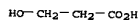
PRIORITY APPLN. INFO.: JP 1993-264231 19930927  
 AB The compn. contains C3-5 aliph. branched alc. adduct with 2-4 mol ethylene oxide. The compn. does not contain substances which destroy the ozone layer and showed a good washing property.  
 IT 165047-34-7 CAPLUS  
 RL: TEM (Technical or engineered material use); USES (Uses) (detergent compn. contg. branched aliph. alc. ethylene oxide adduct for electronic parts)  
 RN 165047-34-7 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.-(1-methylpropyl)-.omega.-hydroxy- (9CI) (CA INDEX NAME)



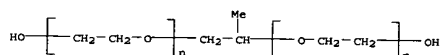
L4 ANSWER 403 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



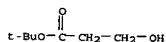
CM 2  
 CRN 503-66-2  
 CMP C3 H6 O3



IT 164454-50-6P  
 RL: IMP (Industrial manufacture); PEP (Physical, engineering or chemical process); RCT (Reactant); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)  
 (two-step process for manuf. of .beta.-ethercarboxylic acids)  
 RN 164454-50-6 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(1-methyl-1,2-ethanediyl)bis[.omega.-hydroxy-, 3-(1,1-dimethylethoxy)-3-oxopropyl ether (9CI)] (CA INDEX NAME)  
 CM 1  
 CRN 67837-24-5  
 CMP (C2 H4 O)n (C2 H4 O)n C3 H8 O2  
 CCI PMS



CM 2  
 CRN 59854-11-4  
 CMP C7 H14 O3



L4 ANSWER 403 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:580495 CAPLUS  
 DOCUMENT NUMBER: 123:59531  
 TITLE: Two-step process for the manufacture of .beta.-ethercarboxylic acids  
 INVENTOR(S): Sanders, Josef; Koenig, Klaus  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 8 pp.  
 CODEN: EPKXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 623579	A1	19941109	EP 1994-106218	19940421
EP 623579	B1	19960918		

R: BE, DE, ES, FR, GB, IT, NL  
 DE 4314627 A1 19941110 DE 1993-4314627 19930504  
 US 5523479 A 19960604 US 1994-230282 19940420  
 ES 2091656 T3 19961101 ES 1994-106218 19940421  
 CA 2122503 AA 19941105 CA 1994-2122503 19940429  
 DE 1993-4314627 19930504  
 PRIORITY APPLN. INFO.:  
 AB (HO)BZ(OCHRCHRICO2H)a [Z = residue of an (a + b)-valent alc.; R, R1 = H, Me; .gtoreq.1 of R, R1 = H; a = 1-6; b = 0-5; a + b = 1-6] are produced by base-catalyzed addn. reaction of alca. Z(OH)a+b (Z as above). e.g., polyether diols or triols (mol. wt. 300-6000), to tert-alkyl esters of .alpha.,.beta.-unsatd. acids, e.g., tert-Bu (meth)acrylate, followed by acid hydrolysis of the resulting .beta.-ethercarboxylate esters. Thus, 8.34 mol tert-Bu acrylate was added dropwise over 5 h into a dispersion of 28.7 g powd. KOH in 2433 g propoxylated trimethylolpropane (23.85 OH equiv) at 40.degree. and the mixt. stirred for 16 h at that temp. to give the intermediate ester (acid no. 13.9, OH no. 267.6 mg KOH) which (3400 g) was hydrolyzed over 8 h with 149.8 g 37% HCl in 3400 mL H2O at 95.degree. to give a title acid having acid no. 104.  
 IT 164454-51-7P  
 RL: IMP (Industrial manufacture); PEP (Physical, engineering or chemical process); PREP (Preparation); PROC (Process)  
 (two-step process for manuf. of .beta.-ethercarboxylic acids)  
 RN 164454-51-7 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(1-methyl-1,2-ethanediyl)bis[.omega.-hydroxy-, 2-carboxyethyl ether (9CI)] (CA INDEX NAME)  
 CM 1  
 CRN 67837-24-5  
 CMP (C2 H4 O)n (C2 H4 O)n C3 H8 O2  
 CCI PMS

L4 ANSWER 404 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:580478 CAPLUS  
 DOCUMENT NUMBER: 122:315976  
 TITLE: Surface-crosslinked water-absorbent polymers having improved properties and their preparation  
 INVENTOR(S): Graham, Andrew T.  
 PATENT ASSIGNEE(S): Dow Chemical Co., USA  
 SOURCE: PCT Int. Appl., 36 pp.  
 CODEN: PIXX22  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9409043	A1	19940428	WO 1993-US9848	19931014

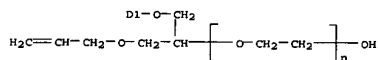
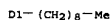
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 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG  
 US 5447727 A 19950905 US 1992-960675 19921014  
 US 5385983 A 19950131 US 1992-975171 19921112  
 AU 9453299 A1 19940509 AU 1994-53299 19931014  
 EP 664816 A1 19950802 EP 1993-923399 19931014  
 R: DE, FR, GB  
 JP 08506363 T2 1993-510279 19931014  
 BR 9307292 A 19990601 BR 1993-7292 19931014  
 PRIORITY APPLN. INFO.:  
 US 1992-960675 19921014  
 US 1992-960675 19921014  
 US 1992-975171 19921112  
 WO 1993-US9848 19931014

AB The water-absorbent polymer is prepd. by addn. of a surface crosslinking agent (e.g., a polyol) to a hydrogel in the absence of a surfactant. Through the use of a preferred primary crosslinking agent coupled with surface crosslinking, desirable absorptive properties are achieved. A polymer gel was obtained from an aq. mixt. contg. acrylic acid 300, Versenex V 80 (chelating agent) 0.75, Na2CO3 144, 10% aq. poly(vinyl alc.) 145, and allyl methacrylate 0.63 g by polymn. for 4 h with 10% aq. Na persulfate 4.8, 30% aq. H2O2 0.63, and 10% aq. Na erythorbate 0.6 mL.  
 The gel was dried and surface-crosslinked with glycerol to give a water absorbent.  
 IT 163443-94-5DP, salts 163444-00-6DP, salts  
 RL: IMP (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (surface-crosslinked water-absorbent polymers having improved properties)  
 RN 163443-94-5 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, 2-propenyl ester, polymer with .alpha.,.alpha.'-.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] and 2-propenoic acid (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 31694-55-0  
 CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS

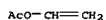


10149139

L4 ANSWER 405 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 108-05-4  
CMP C4 H6 O2

CM 3

CRN 75-01-4  
CMP C2 H3 C1

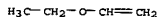
RN 168036-63-3 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxy-, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 111144-60-6  
CMP (C2 H4 O)n C21 H34 O3  
CCI IDS, PMS

L4 ANSWER 405 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

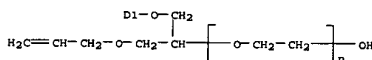
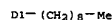
CM 2

CRN 109-92-2  
CMP C4 H8 O

CM 3

CRN 75-01-4  
CMP C2 H3 C1

L4 ANSWER 405 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

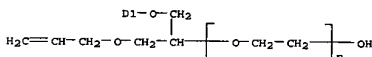
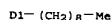


CM 2

CRN 75-01-4  
CMP C2 H3 C1

RN 168109-69-1 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxy-, polymer with chloroethene and ethoxyethene (9CI) (CA INDEX NAME)

CM 1

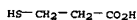
CRN 111144-60-6  
CMP (C2 H4 O)n C21 H34 O3  
CCI IDS, PMS

L4 ANSWER 406 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:541591 CAPLUS  
DOCUMENT NUMBER: 123:172016  
TITLE: Manufacture of water-resistant and alkali-soluble resin emulsions and pressure-sensitive adhesives thereof  
INVENTOR(S): Hirata, Kenzo; Shimazaki, Shin; Nishiike, Haruki; Tsukiyama, Fumitoshi  
PATENT ASSIGNEE(S): Showa Highpolymer, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07053608	A2	19950228	JP 1993-202343	19930816
JP 2725558	B2	19980311		

PRIORITY APPLN. INFO.: JP 1993-202343 19930816  
AB The emulsions are manuf. by emulsion polymn. of vinyl monomers contg. C.g.toreq.2-alkyl acrylates and 5-40% unsatd. carboxylic acids in the presence of 0.01-10% (based on the monomers) .beta.-mercaptopropionic acid  
(I). Thus, adding dropwise an aq. emulsion of 2-ethylhexyl acrylate 215, Bu acrylate 215, methacrylic acid 60, I 13, and Hitenol A 10 (reactive surfactant) 12 parts in H2O contg. K2S2O8 at 80.degree. for 3 h and blending the resulting resin emulsion with 3 parts Vissafe 1400 (nonionic surfactant) gave 50.8%-solid emulsion, which was applied on release paper, dried, covered with paper, and left at 20.degree. and relative humidity 65% for a day to give a pressure-sensitive adhesive showing good adhesion to a glass plate, water resistance, and soly. in aq. NaOH.  
IT RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(manuf. of water-resistant and alkali-sol. acrylic resin emulsions for pressure-sensitive adhesives)  
RN 167407-23-0 CAPLUS  
CN 2-Propenoic acid, 2-methyl-, telomer with butyl 2-propenoate, 2-ethylhexyl 2-propenoate, 3-mercaptopropenoic acid and .alpha.-[1-[(4-nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1  
CRN 107-96-0  
CMP C3 H6 O2 S



CM 2

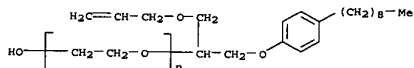
CRN 167407-22-9  
CMP (C11 H20 O2 . C7 H12 O2 . C4 H6 O2 . (C2 H4 O)n C21 H34 O3 . H3 N)x

Kamal Saeed

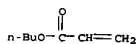
10149139

L4 ANSWER 406 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CCI PMS

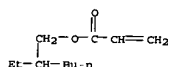
CM 3

CRN 167407-21-8  
CMF (C2 H4 O)n C21 H34 O3 . H3 N  
CCI PMS● NH<sub>2</sub>

CM 4

CRN 141-32-2  
CMF C7 H12 O2

CM 5

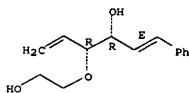
CRN 103-11-7  
CMF C11 H20 O2

CM 6

CRN 79-41-4  
CMF C4 H6 O2

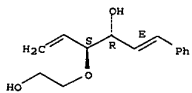
L4 ANSWER 407 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:525728 CAPLUS  
 DOCUMENT NUMBER: 123:284879  
 TITLE: Generation of allylic and related organozirconium through a highly effective zirconium-.beta.-alkoxide elimination reaction  
 AUTHOR(S): Ito, Hisanaka; Nakamura, Toakanori; Taguchi, Takeo; Hanzawa, Yuji  
 CORPORATE SOURCE: Tokyo Coll. Pharm., Tokyo, 192-03, Japan  
 SOURCE: Tetrahedron (1995), 51(15), 4507-18  
 CODEN: TETRA8; ISSN: 0040-4020  
 PUBLISHER: Elsevier  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Reactions and characterization of allylic and related zirconium reagents (allylic and .gamma.-alkoxyallylic zirconium) generated by treatment of allylic and/or propargylic ethers with zirconocene-butene complex ("Cp2Zr") are described.  
 IT 169736-56-5P 169736-57-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (generation of allylic and related organozirconium through zirconium-alkoxide elimination reaction)  
 RN 169736-56-5 CAPLUS  
 CN 1,5-Hexadien-3-ol, 4-(2-hydroxyethoxy)-1-phenyl-, [R\*,R\*-(E)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.



RN 169736-57-6 CAPLUS  
 CN 1,5-Hexadien-3-ol, 4-(2-hydroxyethoxy)-1-phenyl-, [R\*,S\*-(E)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.



L4 ANSWER 406 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



L4 ANSWER 408 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:487792 CAPLUS  
 DOCUMENT NUMBER: 123:215571  
 TITLE: Curable systems containing tertiary amine catalysts and epoxy resins or polyurethane-forming components  
 INVENTOR(S): Miskel, John J., Jr.; Grinstein, Reuben H.; Fischer, Stephen S.  
 PATENT ASSIGNEE(S): Henkel Corp., USA  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9409051	A1	19940428	WO 1993-US9610	19931014
W: CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5444127	A	19950822	US 1993-120625	19931013
EP 669949	A1	19950906	EP 1993-923804	19931014
EP 669949	B1	20020313		
R: DE, GB, IT, NL				
JP 08502316	T2	19960312	JP 1993-510136	19931014
PRIORITY APPLN. INFO.:			US 1992-963789	A 19921019
			US 1993-120625	A 19931013
			WO 1993-US9610	W 19931014

OTHER SOURCE(S): MARPAT 122:215571  
 AB Catalysts for curing epoxy resins and polyim. polyisocyanates with polyols  
 comprise reaction products of a polyamine having only one primary amino group and only one tertiary amino group, and a noncyclic backbone contg. from 1 to 18 carbon atoms and .gtoreq.1 of urea, guanidine, guanylurea, thiourea, and a mono-N,N'-alkyl-substituted urea or thiourea having from 1 to 3 carbon atoms in the alkyl moieties. Thus, a mixt. contg. an equiv. amt. of bisphenol A diglycidyl ether (I) and a trifunctional mercaptan 4k (based on I) N,N'-bis(3-dimethylaminopropyl)urea gelled in 3.75 min.  
 IT 162202-70-2P, Methylenebis(cyclohexyl isocyanate)-polyethylene glycol glycerol ether copolymer  
 RL: IMP (Industrial manufacture); PREP (Preparation)  
 (curable systems contg. tertiary amine catalysts and epoxy resins or polyurethane-forming components)  
 RN 162202-70-2 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha...alpha'..alpha''-1,2,3-propanetriyltris[.omega.-hydroxy-, polymer with 1,1'-methylenebis(isocyanatocyclohexane) (9CI) (CA INDEX NAME)

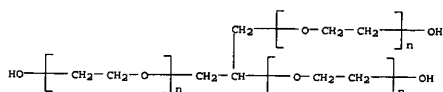
CM 1

CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

Kamal Saeed

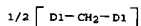
10149139

L4 ANSWER 408 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 28605-81-4  
 CMF C15 H22 N2 O2  
 CCI IDS



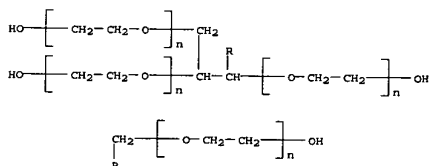
D1-NCO

L4 ANSWER 409 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:478135 CAPLUS  
 DOCUMENT NUMBER: 122:215987  
 TITLE: Thermally stable antifogging agents for greenhouse films  
 INVENTOR(S): Miura, Junichi; Sugii, Ichiro; Iwase, Naomi  
 PATENT ASSIGNEE(S): Toho Chem Ind Co Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JXXXXP  
 Patent:  
 DOCUMENT TYPE:  
 LANGUAGE:  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06263890	A2	19940920	JP 1992-25977	19920117
PRIORITY APPLN. INFO.: JP 1992-25977 19920117				
AB The title agents are obtained from ethoxylated (1-8:1 mol/mol) erythritol (1:1-3 mol/mol) esters with C12-22 satd. fatty acids. An antifogging agent was obtained from the ethoxylated erythritol stearate.				
IT 164578-67-0 164578-68-1 164578-69-2				
RL: MOA (Modifier or additive use); USES (Uses) (thermally stable antifogging agents for greenhouse films)				
RN 164578-67-0 CAPLUS				
CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.',.alpha.''-1,2,3,4-butanetetrayltetrakis[.omega.-hydroxy-, tetradecanoate, (R*,S*)- (9CI) (CA INDEX NAME)				

CM 1

CRN 83689-65-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C4 H10 O4  
 CCI PMS



CM 2

CRN 544-63-8  
 CMF C14 H28 O2

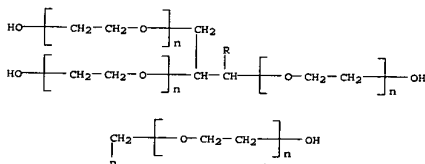
L4 ANSWER 409 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>12</sub>-Me

RN 164578-68-1 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.',.alpha.''-1,2,3,4-butanetetrayltetrakis[.omega.-hydroxy-, hexadecanoate, (R\*,S\*)- (9CI)  
 (CA INDEX NAME)

CM 1

CRN 83689-65-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C4 H10 O4  
 CCI PMS



CM 2

CRN 57-10-3  
 CMF C16 H32 O2

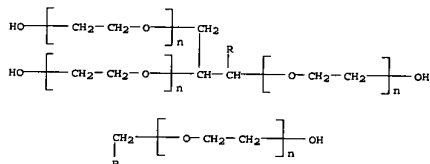
HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>14</sub>-Me

RN 164578-69-2 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.',.alpha.''-1,2,3,4-butanetetrayltetrakis[.omega.-hydroxy-, docosanoate, (R\*,S\*)- (9CI)  
 (CA INDEX NAME)

CM 1

CRN 83689-65-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C4 H10 O4  
 CCI PMS

L4 ANSWER 409 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 112-85-6  
 CMF C22 H44 O2

HO<sub>2</sub>C-(CH<sub>2</sub>)<sub>20</sub>-Me

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L4 ANSWER 410 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:424856 CAPLUS  
 DOCUMENT NUMBER: 124:146090  
 TITLE: Water-based peelable pressure-sensitive adhesives  
 INVENTOR(S): Takashima, Kyokuni  
 PATENT ASSIGNEE(S): Soken Kagaku KK, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 Patent  
 DOCUMENT TYPE: Japanese  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

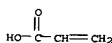
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06346038	A2	19941220	JP 1993-293475	19931124
			JP 1993-84581	19930412

PRIORITY APPLN. INFO.:  
 AB The title adhesives with heat resistance on bake coatings of automobiles and improved releasability, useful for tapes, labels, and sheets, are prepd. by emulsion polymn. of (a) 40-99.9 parts Cl-12 alkyl (meth)acrylate, (b) 0.1-10 parts CO2H-contg. monomers copolymerizable with (a), (c) 0.1-10 parts monomers copolymerizable with (a) and (b) contg. functional groups selected from nitrile, amide, OH, N-methylol, N-methoxyalkyl, Ph, halo, alkoxy, and glycidyl [(a) + (b) + (c) = 100 parts] and (d) 0.1-70 parts reactive surfactants contg. (i) polyoxyalkylene groups, (ii) lipophilic groups selected from alkylphenyloxy, alkylphenyl, and alkyl, and (iii) ethylenic double bond-contg. radically polymerizable functional groups where (i) and (iii) are bonded directly or via (substituted) hydrocarbon groups. Thus, a reaction mother liq. comprising Bu acrylate 2, Na dodecylbenzenesulfonate 1, K persulfate 0.2, and water 50 parts was allowed to react at 82.degree., 153 parts monomer mixt. comprising octyl acrylate 95.0, acrylic acid 1.0, methacrylamide 30, and Adeka Reasap NE 30 2.0 part dispersed in 50 parts water in the presence of 1.0 part Na polyoxyethylene lauryl ether sulfonate was added dropwise to the reaction system for emulsion polymn., cooled to 25.degree., adjusted to pH 7.0, applied to a corona-treated PET film and papers, dried at 105.degree. for 3 min, and laminated with releasing films to give test pieces with JIS Z 0237 tack to  
 IT SUS 304 plate 450 g/20 mm. PET films with the adhesive layer showed improved releasability from test pieces of SUS 304, PVC, and melamine-coated plate after bonding and keeping at 5-180.degree. for 60 min, resp.  
 RN 164977-82-69  
 CN 2-Propenoic acid, polymer with butyl 2-propenoate, 2-methyl-2-propenamide, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and octyl 2-propenoate (9CI) (CA INDEX NAME)

L4 ANSWER 410 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

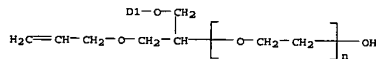
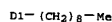


CM 5  
 CRN 79-10-7  
 CMP C3 H4 O2

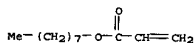


L4 ANSWER 410 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

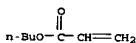
CM 1  
 CRN 111144-60-6  
 CMP C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS



CM 2  
 CRN 2499-59-4  
 CMP C11 H20 O2



CM 3  
 CRN 141-32-2  
 CMP C7 H12 O2

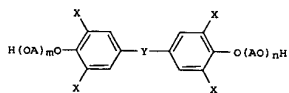


CM 4  
 CRN 79-39-0  
 CMP C4 H7 N O

L4 ANSWER 411 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:392330 CAPLUS  
 DOCUMENT NUMBER: 124:10471  
 TITLE: Preparation of cellular polyurethane moldings with good heat resistance, uniformity, light weight, and less dust formation during cutting  
 INVENTOR(S): Kumagai, Yasushi; Ban, Sachiro; Sasaya, Juichi  
 PATENT ASSIGNEE(S): Sanyo Chemical Ind Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 Patent  
 DOCUMENT TYPE: Japanese  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 0632947	A2	19941129	JP 1993-125261	19930428
			JP 1993-125261	19930428

PRIORITY APPLN. INFO.:  
 OI



AB The moldings are prepd. by foaming mixts. from (A) 100 parts polyol components from (a) arom. ring-contg. polyols I (X = H, Me, Cl, Br; Y = CH2, CMe2, SO2, O, single bond; A = propylene, ethylene; m + n = 0-13; OH value 200-400) and (b) aliph. polyols (OH value 250-500), (B) arom. polyisocyanate components, and (C) 1-8 parts dehydrating agents by the mech. froth method (contg. substantially no blowing agents). Thus, an arom. ring-contg. polyol (prepd. from 200 parts bisphenol F and 174 parts propylene oxide; mol. wt. 374) 30, an aliph. polyol (prepd. from 136 parts pentaerythritol and 419 parts propylene oxide; mol. wt. 555) 70, CaSO4 6, SH 193 4, and Millionate MR 200 (crude MDI) 94 parts were stirred at 120 rpm, poured into a mold, and heated at 70.degree. for 1 h to give a molding having heat-distortion temp. 70.degree., uniform d. distribution, and forming less dust during cutting.  
 IT 164516-28-39  
 RL: IMP (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (cellular; prepn. of cellular polyurethane moldings with good heat resistance, uniformity, light wt., and less dust formation during cutting)  
 RN 164516-28-3 CAPLUS  
 CN Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-.alpha.-(methylenedi-4,1-phenylene)bis[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] and .alpha.-.alpha.-.alpha.-.alpha.-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy-1,2-ethanediyl]] (9CI) (CA INDEX NAME)

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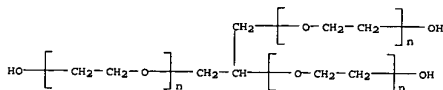
10149139

L4 ANSWER 413 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 3

CRN 9016-87-9  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 163387-51-7 CAPLUS  
 CN Isocyanic acid, polymethylenepolyphenylene ester, polymer with  
 .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) ether with  
 D-glucitol (6:1), and StepanPol PS 3152, block (9CI) (CA INDEX NAME)

CM 1

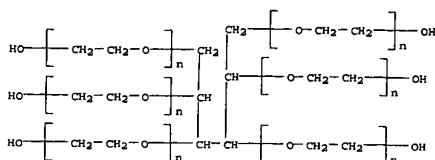
CRN 89287-08-1  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 53694-15-8  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C6  
 H14 O6  
 CCI PMS

L4 ANSWER 413 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 3

CRN 9016-87-9  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 163387-52-8 CAPLUS  
 CN Isocyanic acid, polymethylenepolyphenylene ester, polymer with  
 .alpha.,.alpha.,.alpha.,.1,2,3-propanetriyltris(.omega.-hydroxypoly(oxy-  
 1,2-ethanediyl)) and Voranol 370, block (9CI) (CA INDEX NAME)

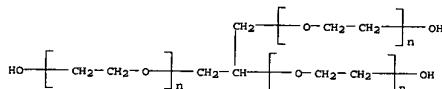
CM 1

CRN 72414-06-3  
 CMF Unspecified  
 CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 3

L4 ANSWER 413 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 9016-87-9  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L4 ANSWER 414 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:294631 CAPLUS  
 DOCUMENT NUMBER: 122:240731  
 TITLE: Solution polymerization with reactive modifier  
 INVENTOR(S): Tsuzuki, Masahide; Komiya, Kaoru  
 PATENT ASSIGNEE(S): Asahi Denka Kogyo K.K., Japan  
 SOURCE: U.S., 9 pp. Cont.-in-part of U.S. Ser. No. 703, 908,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5371159	A	19941206	US 1993-12529	19930202
JP 04321217	A2	19921119	JP 1991-97133	19910426
			JP 1990-131243	19900523
			JP 1991-97133	19910426
			US 1991-703908	19910522

AB Vinyl monomers are polymd. in the presence of at least one reactive  
 modifier which is a substituted .alpha.-olefin that incorporates at least  
 three ether groups, is hydrophilic, and has a mol. wt. of at least about  
 200. The modified vinyl polymers so produced have various improved phys.  
 properties including, in particular, antistatic properties.

IT 162275-43-6P 162275-44-7P  
 RL: FRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (soln. polymn. with reactive modifier)

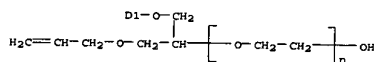
RN 162275-43-6 CAPLUS

CN 2-Propenoic acid, 2-ethylhexyl ester, polymer with .alpha.-[1-

[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-  
 ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

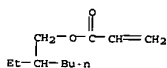
D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

Kamal Saeed

10149139

L4 ANSWER 414 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 103-11-7  
CMF C11 H20 O2

RN 162275-44-7 CAPLUS

CN 2-Propenoic acid, 2-ethylhexyl ester, polymer with .alpha.-[1-[[[2-methyl-

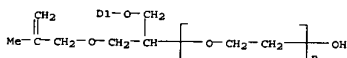
2-propenyl]oxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 111144-61-7

CMF (C2 H4 O)n C22 H36 O3

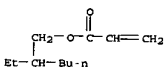
CCI IDS, FMS

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

CRN 103-11-7

CMF C11 H20 O2



L4 ANSWER 415 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:177207 CAPLUS

DOCUMENT NUMBER: 122:265845

TITLE: A new route to some enantiomerically pure substituted

morpholines from D-ribo- and D-gulono-1,4-lactones

Bennis, Khalil; Calinaud, Pierre; Gelas, Jacques;

Ghobsi, Mebrouk

Ecole Nationale Supérieure de Chimie de

Clermont-Ferrand, B.P. 187, Aubière, 63174, Fr.

Carbohydrate Research (1994), 264(1), 33-44

CODEN: CRBRAT, ISSN: 0008-6215

Elsevier

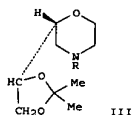
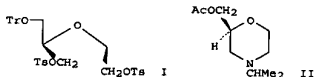
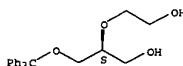
Journal

English

CASREACT 122:265845

OI

L4 ANSWER 415 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



AB D-Ribono-1,4-lactone, after acetalation, tritylation, and redn., leads to a intramol cyclocondensation compd. which gave with tosyl chloride 1,4-anhydro-2,3-O-isopropylidene-5-O-trityl-D-ribitol. The latter was transformed (acid hydrolysis, periodate oxidn., redn., tritylation, and tosylation) into a ditosylated deriv. I, which was cyclized into morpholines by the action of primary amines. Acid hydrolysis, followed

by acetylation, gives the (2S)-acetoxymethyl-4-isopropyltetrahydro-1,4-oxazine II. A similar sequence has been applied to D-gulonolactone to give access to oxazines III (R = Bn, CH<sub>2</sub>Bn, CHMe<sub>2</sub>).

IT 162635-56-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(A new route to some enantiomerically pure substituted morpholines

from D-ribo- and D-gulono-1,4-lactones)

RN 162635-56-5 CAPLUS

CN 1-Propanol, 2-(2-hydroxyethoxy)-3-(triphenylmethoxy)-, (S)- (9CI) (CA INDEX NAME)

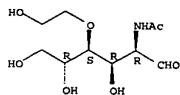
Absolute stereochemistry.

Kamal Saeed

10149139

L4 ANSWER 416 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:48066 CAPLUS  
DOCUMENT NUMBER: 122:291386  
TITLE: Preparation of O-hydroxyethyl and O-hydroxypropyl derivatives of D-glucose and 2-acetamido-2-deoxy-D-glucose for studies of modified hyaluronic acid  
AUTHOR(S): Bjurling, Eva; Janesson, Per-Erik; Lindqvist, Bengt  
CORPORATE SOURCE: Dep. Chem., Pharmacia Ophthalmica, Uppsala, S-751 82, Swed.  
SOURCE: Acta Chemica Scandinavica (1994), 48 (7), 589-95  
CODEN: ACHSE7; ISSN: 0904-213X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Some hydroxyethyl and hydroxypropyl deriva. of D-glucose and of 2-acetamido-2-deoxy-D-glucose have been synthesized for use as ref. substances for structural studies of hydroxyethylated and hydroxypropylated hyaluronic acid. Hydroxyethyl and hydroxypropyl substituents were introduced in the 2-O- or 3-O-position of D-glucose and in the 4-O- or 6-O-positions of 2-acetamido-2-deoxy-D-glucose by reaction of suitably protected sugars with either ethylene oxide or propylene oxide. Only trace amts. of the doubly alkylated compds. were found.  
IT 162843-38-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of O-hydroxyalkyl deriva. of glucose and acetamidodeoxyglucose as refs. for structural studies of modified hyaluronic acid)  
RN 162843-38-1 CAPLUS  
CN D-Glucose, 2-(acetylamino)-2-deoxy-4-O-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



Kamal Saeed

10149139

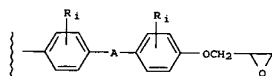
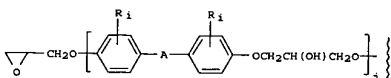
=> d ibib abs hitstr 360-390

Kamal Saeed

10149139

L4 ANSWER 360 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:443615 CAPLUS  
 DOCUMENT NUMBER: 125:89281  
 TITLE: Water-resistant aqueous compositions containing self-emulsifying epoxy resins  
 INVENTOR(S): Oda, Toshio; Tomita, Masakazu; Tamura, Katsuyuki  
 PATENT ASSIGNEE(S): Sakamoto Yakuhin Kogyo KK, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKKXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08100050	A2	19960416	JP 1994-271924	19940929
PRIORITY APPLN. INFO.:			JP 1994-271924	19940929



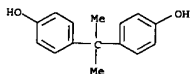
I

AB Title compns. with good emulsion stability, giving glossy coatings, adhesives, etc., contain reaction products of epoxy compds. I (A = CMe2, CHMe, CH2, bond; R = H, Me, Cl, Br; i = 1-4; j = 0-3) with B[(OCH2CHMe)(OCH2CH2)n]XOH (B = polyol residues; R2 = Cl-10 alkyl; m = 0-100; n = 10-200; x = 3-12). Thus, 300 g Epikote 828 (II) and 300 g glycerin-ethylene oxide (60 mol) adduct were treated in toluene in the presence of BF3.cntdot.Et2O to give a self-emulsifying compd., 10 g of which was homogenized with 55 g II and 35 g H2O to give an emulsion. It was mixed with 91 parts H-35 (modified polyamine emulsion hardener) and applied onto an Al plate to show water absorption 2.8%, cross-cut adhesion 100/100, and pencil hardness H.

IT 178888-69-2P  
 RL: IMP (Industrial manufacture); PRP (Properties); PREP (Preparation) (Water-resistant aq. coatings and adhesives contg. self-emulsifying epoxy resins)

RN 178888-69-2 CAPLUS  
 CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane,

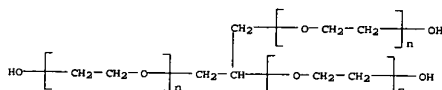
L4 ANSWER 360 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



IT 178888-67-0P  
 RL: IMP (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (Water-resistant aq. coatings and adhesives contg. self-emulsifying epoxy resins)

RN 178888-67-0 CAPLUS  
 CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane and .alpha.,.alpha.',.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1  
 CRN 31694-55-0  
 CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS

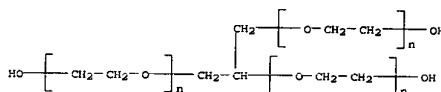


CM 2  
 CRN 106-89-8  
 CMP C3 H5 Cl O



CM 3  
 CRN 80-05-7  
 CMP C15 H16 O2

L4 ANSWER 360 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 2-methyl-1-propene and .alpha.,.alpha.',.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 31694-55-0  
 CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 2  
 CRN 115-11-7  
 CMP C4 H8

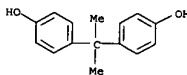


CM 3  
 CRN 106-89-8  
 CMP C3 H5 Cl O



CM 4  
 CRN 80-05-7  
 CMP C15 H16 O2

L4 ANSWER 360 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

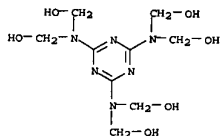


Kamal Saeed

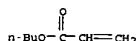


10149139

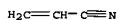
L4 ANSWER 362 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 531-18-0  
CMF C9 H18 N6 O6

CM 5

CRN 141-32-2  
CMF C7 H12 O2

CM 6

CRN 107-13-1  
CMF C3 H3 N

CM 7

CRN 80-62-6  
CMF C5 H8 O2

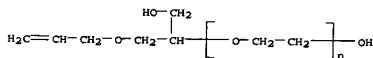
CM 8

CRN 79-10-7

L4 ANSWER 363 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:382509 CAPLUS  
DOCUMENT NUMBER: 125:35992  
TITLE: Vinyl chloride polymer emulsions for chemically and water-resistant coatings  
INVENTOR(S): Ochitani, Yukio; Yoshitomi, Hideaki; Imamura, Masayuki  
PATENT ASSIGNEE(S): Sekisui Chemical Co Ltd, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

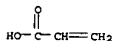
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08059939	A2	19960305	JP 1994-193151	19940817
JP 08059939	A2	19960305	JP 1994-193151	19940817

PRIORITY APPLN. INFO.:  
AB Title emulsions are obtained by emulsion polymn. of (A) 30-80% vinyl chloride, (B) 10-60% (meth)acrylate esters, (C) 1-20% monomers having .gtoreq.1 group selected from COOH, OH, and epoxy groups, and (D) 0.1-10% alkoxyisilyl-contg. monomers. Thus, vinyl chloride 64, Bu acrylate 30, acrylic acid 5, and vinyltrimethoxysilane were emulsion polymd. in 120 parts H2O contg. 3 parts Na dodecylsulfonate to give an emulsion, which was applied on a cement plate and dried to give a film showing good water resistance and adhesion strength.  
IT 177072-57-0DDP, polymers with vinyl chloride and acrylic monomers  
RL: PNU (Preparation, unclassified); TEM (Technical or engineered material)  
use); PREP (Preparation); USES (Uses)  
(vinyl chloride polymer emulsions for chem. and water-resistant coatings)  
RN 177072-57-0 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-(hydroxymethyl)-2-(2-propenyloxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)



L4 ANSWER 362 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CMF C3 H4 O2



L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:353155 CAPLUS  
DOCUMENT NUMBER: 125:35035  
TITLE: Soft, low-density, flexible polyurethane foam  
INVENTOR(S): Baker, Otis, M., Jr.; Critchfield, Frank E.; Westfall,  
PATENT ASSIGNEE(S): Paul M.  
SOURCE: Arco Chemical Technology, L.P., USA  
Eur. Pat. Appl., 15 pp.  
CODEN: EPXKDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 703254	A1	19960327	EP 1995-306644	19950920
EP 703254	B1	19991208		
R: BE, DE, FR, GB, IT, NL				
US 5500452	A	19960319	US 1994-311378	19940923
CA 2155046	AA	19960324	CA 1995-2155046	19950731
JP 08109237	A2	19960430	JP 1995-235948	19950823
AU 9530539	A1	19960404	AU 1995-30539	19950908
AU 689616	B2	19980402		
BR 9504156	A	19960806	BR 1995-4156	19950925
PRIORITY APPLN. INFO.:			US 1994-311378	19940923
AB Addn. of a small amt. of unhindered primary diamine improved the softness and flexibility of foams manuf. from compns. contg. polyether polyols, polymer polyol, diols, water, diisocyanates, foam stabilizers, and catalysts.				
IT 177769-89-0P 177769-90-3P 177769-91-4P				
177769-92-5P 177769-93-6P 177769-94-7P				
177771-26-5P 177771-27-6P				
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)				
(soft, low-d., flexible polyurethane foams)				
RN 177769-89-0 CAPLUS				
CN Ethanol, 2,2'-oxybis-, polymer with Arcol E 815, 1,6-hexanediamine, kuperanate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), and .alpha.-.alpha.-.alpha.-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)				

CM 1

CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 177529-79-2  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

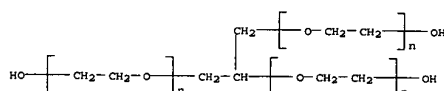
CM 3

Kamal Saeed

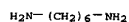
10149139

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

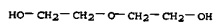
CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS



CM 4  
 CRN 124-09-4  
 CMF C6 H16 N2

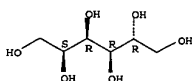


CM 5  
 CRN 111-46-6  
 CMF C4 H10 O3



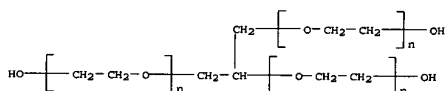
CM 6  
 CRN 56449-05-9  
 CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
 CM 7  
 CRN 50-70-4  
 CMF C6 H14 O6

Absolute stereochemistry.

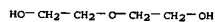


L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS

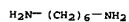


CM 4  
 CRN 25265-71-8  
 CMF C6 H14 O3  
 CCI IDS



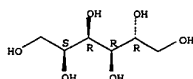
2 ( D1-Me )

CM 5  
 CRN 124-09-4  
 CMF C6 H16 N2



CM 6  
 CRN 56449-05-9  
 CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
 CM 7  
 CRN 50-70-4  
 CMF C6 H14 O6

Absolute stereochemistry.



L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 8  
 CRN 9003-11-6  
 CMF (C3 H6 O . C2 H4 O)x  
 CCI PMS

CM 9  
 CRN 75-56-9  
 CMF C3 H6 O



CM 10  
 CRN 75-21-8  
 CMF C2 H4 O



RN 177769-90-3 CAPLUS  
 CN Propanol, oxybis-, polymer with Arcol E 815, 1,6-hexanediamine, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
 CRN 177529-83-8  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
 CRN 177529-79-2  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 8  
 CRN 9003-11-6  
 CMF (C3 H6 O . C2 H4 O)x  
 CCI PMS

CM 9  
 CRN 75-56-9  
 CMF C3 H6 O



CM 10  
 CRN 75-21-8  
 CMF C2 H4 O



RN 177769-91-4 CAPLUS  
 CN Ethanol, 2,2'-oxybis-, polymer with Arcol E 815, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), 1,9-nonanediamine and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
 CRN 177529-83-8  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
 CRN 177529-79-2  
 CMF Unspecified  
 CCI PMS, MAN

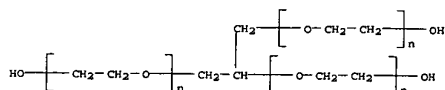
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3  
 CRN 31694-55-0  
 CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
 CCI PMS

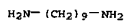
Kamal Saeed

10149139

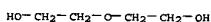
L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4  
CRN 646-24-2  
CMF C9 H22 N2

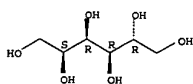


CM 5  
CRN 111-46-6  
CMF C4 H10 O3



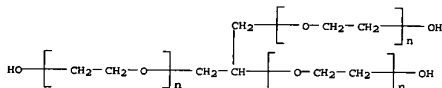
CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.

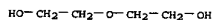


CM 8  
CRN 9003-11-6

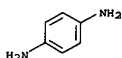
L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4  
CRN 111-46-6  
CMF C4 H10 O3

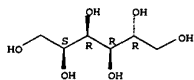


CM 5  
CRN 106-50-3  
CMF C6 H8 N2



CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.



CM 8  
CRN 9003-11-6

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



RN 177769-92-5 CAPLUS  
CN Ethanol, 2,2'-oxybis-, polymer with Arcol E 815, 1,4-benzenediamine, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), and .alpha.,.alpha.',.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
CRN 177529-79-2  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3  
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



RN 177769-93-6 CAPLUS  
CN Ethanol, 2,2'-oxybis-, polymer with Arcol E 815, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), 1,3-propanediamine and .alpha.,.alpha.',.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
CRN 177529-79-2  
CMF Unspecified  
CCI PMS, MAN

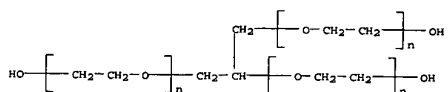
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3  
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

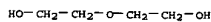
Kamal Saeed

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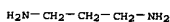
L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4  
CRN 111-46-6  
CMF C4 H10 O3

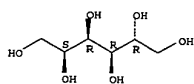


CM 5  
CRN 109-76-2  
CMF C3 H10 N2



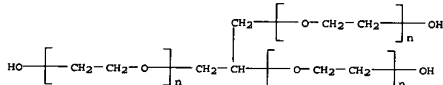
CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.

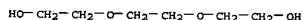


CM 8  
CRN 9003-11-6

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4  
CRN 24800-44-0  
CMF C9 H20 O4  
CCI IDS



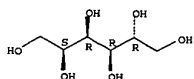
3 (D1-Me)

CM 5  
CRN 110-85-0  
CMF C4 H10 N2



CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.



L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



RN 177769-94-7 CAPLUS  
CN Propanol, [(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with Arcol E 815, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), piperazine and .alpha..alpha..alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
CRN 177529-79-2  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3  
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 8  
CRN 9003-11-6  
CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



RN 177771-26-5 CAPLUS  
CN Propanol, [(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with Arcol E 815, 1,6-hexanediamine, Lupranate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), and .alpha..alpha..alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
CRN 177529-79-2  
CMF Unspecified  
CCI PMS, MAN

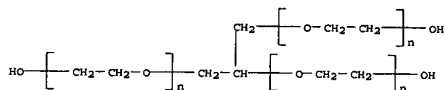
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3  
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

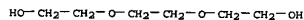
Kamal Saeed

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L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

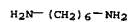


CM 4  
CRN 24800-44-0  
CMF C9 H20 O4  
CCI IDS



3 (D1-Me)

CM 5  
CRN 124-09-4  
CMF C6 H16 N2



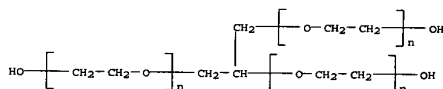
CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.

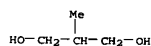
L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

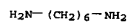
CM 3  
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS



CM 4  
CRN 2163-42-0  
CMF C4 H10 O2



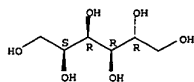
CM 5  
CRN 124-09-4  
CMF C6 H16 N2



CM 6  
CRN 56449-05-9  
CMF C6 H14 O6 . 6 (C3 H6 O . C2 H4 O)x  
CM 7  
CRN 50-70-4  
CMF C6 H14 O6

Absolute stereochemistry.

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 8  
CRN 9003-11-6  
CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



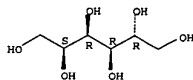
RN 177771-27-6 CAPLUS  
CN 1,3-Propanediol, 2-methyl-, polymer with Arcol E 815, 1,6-hexanediamine, Luprenate 7525, methyloxirane polymer with oxirane ether with D-glucitol (6:1), and alpha., alpha.', alpha.''-1,2,3-propanetriyltrio[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], block (9CI) (CA INDEX NAME)

CM 1  
CRN 177529-83-8  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2  
CRN 177529-79-2

L4 ANSWER 364 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 8  
CRN 9003-11-6  
CMF (C3 H6 O . C2 H4 O)x  
CCI PMS

CM 9  
CRN 75-56-9  
CMF C3 H6 O



CM 10  
CRN 75-21-8  
CMF C2 H4 O



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L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:298387 CAPLUS  
 DOCUMENT NUMBER: 124:346176  
 TITLE: Reactive emulsifiers and manufacture thereof and stable aqueous organosilicon compositions using the same for water-repellent durable coatings  
 INVENTOR(S): Kuramoto, Shigefumi  
 PATENT ASSIGNEE(S): Nippon Catalytic Chem Ind, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKXKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

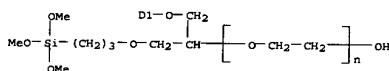
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08027166	A2	19960120	JP 1994-168382	19940720
JP 2907726	B2	19990621		

PRIORITY APPLN. INFO.: JP 1994-168382 19940720

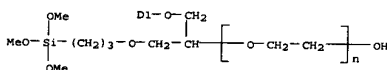
AB Reactive emulsifiers have the general formula  $R1C6H4OCH2CH[O(AO)MB]CH2OC3H6SiR2m(OR3)3-m$  [R1 = H, halogen, C1-20 hydrocarbyl; R2 = C1-10 hydrocarbyl; R3 = (un)substituted C1-10 hydrocarbyl; A = (un)substituted C2-4 alkylene; B = H,  $SO_3NH_4$ ,  $SO_3Na$ ,  $CO_2NH_4$ ,  $CO_2Na$ ; m = 1-20; n 0-2]. Hydroxylation of  $C9H19C6H4OCH2CH(CH2OCH2CH2CH2O)(C2H4O)10H$  with  $HSi(OMe)_3$  in the presence of  $H_2PtCl_6$  gave  $C9H19C6H4OCH2CH(CH2OCH2CH2CH2OSi(OMe)_3)O(C2H4O)10H$  (I). Isobutyltrimethoxysilane formed a stable emulsion with I and gave a water-repellent durable coating on mortar.

IT 176740-07-1P  
 RL: IMP (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (reactive emulsifiers and manuf. thereof and stable aq. organosilicon compns. using the same for water-repellent durable coatings)

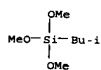
RN 176740-07-1 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(trimethoxysilyl)propoxy]ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)


 $D1-(CH_2)_8-Me$ 


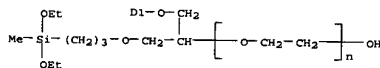
L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)


 $D1-(CH_2)_8-Me$ 


CM 2

 CRN 18395-30-7  
 CMF C7 H18 O3 Si


RN 176740-10-6 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(3-(diethoxymethylsilyl)propoxy)methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)


 $D1-(CH_2)_8-Me$ 


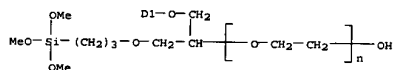
RN 176740-11-7 CAPLUS  
 CN Silane, hexyltrimethoxy-, polymer with .alpha.-[1-[(3-(diethoxymethylsilyl)propoxy)methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

IT 176740-08-2P 176740-09-3P 176740-10-6P  
 176740-11-7P 176740-12-8P 176740-22-0P  
 176740-23-1P 176740-24-2P 176740-25-3P  
 176772-56-8P 176772-57-9P  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (reactive emulsifiers and manuf. thereof and stable aq. organosilicon compns. using the same for water-repellent durable coatings)

RN 176740-08-2 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(trimethoxysilyl)propoxy]ethyl]-.omega.-hydroxy-, homopolymer (9CI) (CA INDEX NAME)

CM 1  
 CRN 176740-07-1  
 CMF (C2 H4 O)n C24 H44 O6 Si  
 CCI IDS, PMS


 $D1-(CH_2)_8-Me$ 


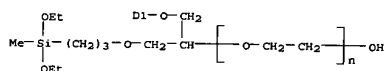
RN 176740-09-3 CAPLUS  
 CN Silane, trimethoxy(2-methylpropyl)-, polymer with .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(trimethoxysilyl)propoxy]ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1  
 CRN 176740-07-1  
 CMF (C2 H4 O)n C24 H44 O6 Si  
 CCI IDS, PMS

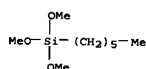
L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 1

 CRN 176740-10-6  
 CMF (C2 H4 O)n C26 H48 O5 Si  
 CCI IDS, PMS

 $D1-(CH_2)_8-Me$ 


CM 2

 CRN 3069-19-0  
 CMF C9 H22 O3 Si


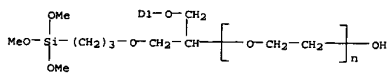
RN 176740-12-8 CAPLUS  
 CN Silane, triethoxyhexyl-, polymer with .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(trimethoxysilyl)propoxy]ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

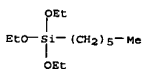
 CRN 176740-07-1  
 CMF (C2 H4 O)n C24 H44 O6 Si  
 CCI IDS, PMS

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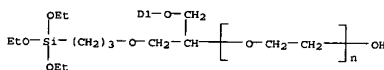
L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

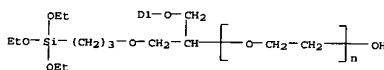
CRN 18166-37-5  
CMF C12 H28 O3 Si

RN 176740-22-0 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(triethoxysilyl)propoxy]ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

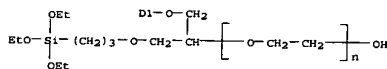
RN 176740-23-1 CAPLUS

L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

Me-(CH<sub>2</sub>)<sub>17</sub>-D1

RN 176772-56-8 CAPLUS  
CN Silane, decyltrimethoxy-, polymer with .alpha.-[1-[(nonylphenoxy)methyl]-2-[3-(triethoxysilyl)propoxy]ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

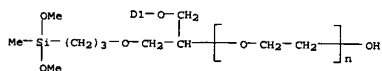
CRN 176740-22-0  
CMF (C2 H4 O)n C27 H50 O6 Si  
CCI IDS, PMSD1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

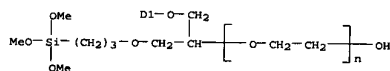
CRN 5575-48-4  
CMF C13 H30 O3 Si

L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[3-(dimethoxymethylsilyl)propoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

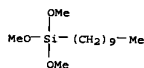
D1-(CH<sub>2</sub>)<sub>8</sub>-Me

RN 176740-24-2 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(dodecylphenoxy)methyl]-2-[3-(trimethoxysilyl)propoxy]ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

Me-(CH<sub>2</sub>)<sub>11</sub>-D1

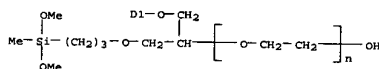
RN 176740-25-3 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[(octadecylphenoxy)methyl]-2-[3-(triethoxysilyl)propoxy]ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 176772-57-9 CAPLUS  
CN Silane, triethoxyhexyl-, polymer with .alpha.-[1-[[3-(diethoxymethylsilyl)propoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-[1-[[3-(dimethoxymethylsilyl)propoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

CM 1

CRN 176740-23-1  
CMF (C2 H4 O)n C24 H44 O5 Si  
CCI IDS, PMSD1-(CH<sub>2</sub>)<sub>8</sub>-Me

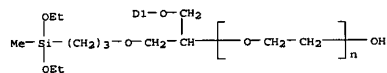
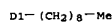
CM 2

CRN 176740-10-6  
CMF (C2 H4 O)n C26 H48 O5 Si  
CCI IDS, PMS

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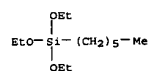
L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 3

CRN 18166-37-5

CMP C12 H28 O3 Si



IT 176740-26-4 176740-27-5

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactive emulsifiers and manuf. thereof and stable aq. organosilicon compns. using the same for water-repellent durable coatings)

RN 176740-26-4 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-((dodecylphenoxy)methyl)-2-(2-propenyloxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:273673 CAPLUS

DOCUMENT NUMBER: 125:13796

TITLE: Reactive vinyl group-containing polyalkylene glycol derivatives for use as surfactants, emulsifiers for polymerizations, and resin modifiers

INVENTOR(S): Betsupu, Koji; Komya, Kaoru  
PATENT ASSIGNEE(S): Asahi Denka Kogyo Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08041113	A2	19960213	JP 1994-176934	19940728
			JP 1994-176934	19940728

PRIORITY APPLN. INFO.:  
AB The title derivs. R2CR3:CR1-p-C6H4CH2OCH2CH(OR)CH2O(A10)mR4 (A1 = C2-4 alkylene; R1 = H, Me; R2, R3 = H, C1-4 hydrocarbyl; R4 = C8-24 hydrocarbyl, acyl; m = 0-50; X = H or nonionic, anionic, cationic, or zwitterionic group) are prep'd. Vinylbenzyl glycidyl ether was reacted with nonylphenol and ethylene oxide to give a surfactant which was used

as a reactive emulsifier in the polymn. of styrene, giving a polymer which formed a water-resistant film with antistatic and antifogging properties.

IT 176740-04-8P 177345-34-5P

RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

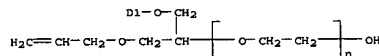
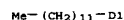
(prepn. and use as reactive emulsifier in polymns. and resin modifiers)

RN 176740-04-8 CAPLUS

CN Poly(oxy-1,2-ethanediyl),

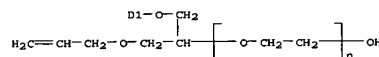
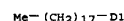
.alpha.-[1-[[[(methylethenyl)phenyl]methoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

L4 ANSWER 365 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

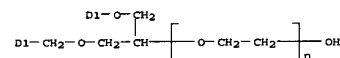
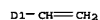


RN 176740-27-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-((octadecylphenoxy)methyl)-2-(2-propenyloxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

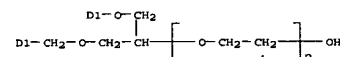


L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 177345-34-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[[(ethenylphenyl)methoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)



IT 176740-05-9P 176780-77-1P 177473-58-4P

177473-59-5P  
RL: IMP (Industrial manufacture); PREP (Preparation)  
(prepn. of internal emulsifier-contg.)

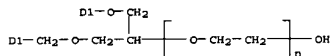
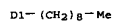
RN 176740-05-9 CAPLUS

CN Poly(oxy-1,2-ethanediyl),  
.alpha.-[1-[[[(methylethenyl)phenyl]methoxy]meth

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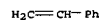
10149139

L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
yl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy-, polymer with ethenylbenzene  
(9CI) (CA INDEX NAME)  
CM 1  
CRN 176740-04-8  
CMF (C2 H4 O)n C28 H40 O3  
CCI IDS, PMS



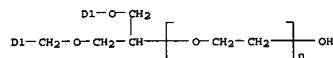
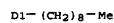
CM 2

CRN 100-42-5  
CMF C8 H8



RN 176780-77-1 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[[(methylene)phenyl]methoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy-, polymer with 1,3-butadiene and ethenylbenzene (9CI) (CA INDEX NAME)  
CM 1

L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CRN 176740-04-8  
CMF (C2 H4 O)n C28 H40 O3  
CCI IDS, PMS



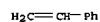
CM 2

CRN 106-99-0  
CMF C4 H6



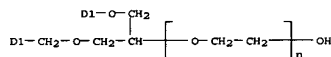
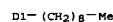
CM 3

CRN 100-42-5  
CMF C8 H8



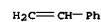
RN 177473-58-4 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[[(ethenylphenyl)methoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy-, polymer with ethenylbenzene (9CI)

L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
(CA INDEX NAME)  
CM 1  
CRN 177345-34-5  
CMF (C2 H4 O)n C27 H38 O3  
CCI IDS, PMS



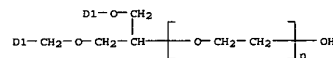
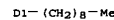
CM 2

CRN 100-42-5  
CMF C8 H8



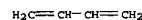
RN 177473-59-5 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[[(ethenylphenyl)methoxy]methyl]-2-(nonylphenoxy)ethyl]-.omega.-hydroxy-, polymer with 1,3-butadiene and ethenylbenzene (9CI) (CA INDEX NAME)  
CM 1  
CRN 177345-34-5  
CMF (C2 H4 O)n C27 H38 O3  
CCI IDS, PMS

L4 ANSWER 366 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



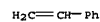
CM 2

CRN 106-99-0  
CMF C4 H6



CM 3

CRN 100-42-5  
CMF C8 H8



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L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:194793 CAPLUS  
 DOCUMENT NUMBER: 124:234349  
 TITLE: Acrylic sheet, acrylic adhesive sheet and process for preparing the sheets  
 INVENTOR(S): Kawase, Susumu; Imai, Tatsuhiro  
 PATENT ASSIGNEE(S): Soken Chemical and Engineering Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 39 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 696610	A2	19960214	EP 1995-305622	19950811
EP 696610	A3	19980107		
EP 696610	B1	20030402		

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08053596	A2	19960227	JP 1994-190593	19940812
JP 08053597	A2	19960227	JP 1994-190594	19940812
JP 08157616	A2	19960618	JP 1994-300035	19941202
CN 1124741	A	19960619	CN 1995-109281	19950814

PRIORITY APPLN. INFO.: JP 1994-190593 A 19940812  
 JP 1994-190594 A 19940812  
 JP 1994-300035 A 19941202

AB The acrylic sheet contg. particles homogeneously dispersed in a resin matrix does not substantially contain air bubbles and has an air bubble content of .ltoreq.10% by vol.; in which the resin matrix for constituting

the acrylic sheet is a crosslinked (meth)acrylic copolymer obtained by forming a crosslinked structure among the mol. of a (meth)acrylic copolymer, which is a copolymer of 0.1-15% of a polymerizable monomer having a functional group, 60-99% of a (meth)acrylic acid alkyl ester and 0-39.9% of other monomer, and has Mw 150,000-1,200,000, by means of a polyfunctional compd. having reactivity to the functional group of the polymerizable monomer for prep. the (meth)acrylic copolymer; and the particles dispersed in the resin matrix formed from the crosslinked (meth)acrylic copolymer have a mean particle diam. of 1-100 .mu.m and a true sp. gr. of 0.2-3.0. This acrylic sheet can be prep. by synthesizing

a specific (meth)acrylic copolymer in an aq. medium or an org. solvent, mixing a reaction soln. of the copolymer with the polyfunctional compd. and particles, casting the deformed mixt. and drying it. The acrylic adhesive sheet is an adhesive sheet having an adhesive layer provided on .gtoreq.1 surface of the acrylic sheet, and can be prep. by forming the adhesive layer on the surface of the acrylic sheet.

IT 174916-56-4P 174916-57-5P 174916-58-6P  
 174974-41-5P

RL: IMP (Industrial manufacture); PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)

(acrylic sheet, acrylic adhesive sheet and prodn. process)

RN 174916-56-4 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate,

L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 2-ethylhexyl 2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 2-propenenitrile (9CI) (CA INDEX NAME)

CM 1

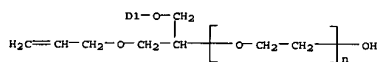
CRN 111144-60-6

CMF (C2 H4 O)n C21 H34 O3

CCI IDS, PMS



D1= (CH<sub>2</sub>)<sub>8</sub>-Me



CM 2

CRN 107-13-1

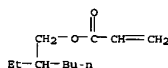
CMF C3 H3 N



CM 3

CRN 103-11-7

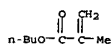
CMF C11 H20 O2



CM 4

CRN 97-88-1

L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CMF C8 H14 O2



CM 5

CRN 79-41-4

CMF C4 H6 O2



RN 174916-57-5 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 2-ethylhexyl 2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenenitrile and N,N,N',N'-tetrakis(oxiranylmethyl)-1,3-benzenedimethanamine (9CI) (CA INDEX NAME)

CM 1

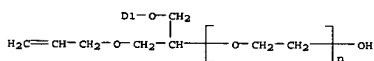
CRN 111144-60-6

CMF (C2 H4 O)n C21 H34 O3

CCI IDS, PMS



D1= (CH<sub>2</sub>)<sub>8</sub>-Me

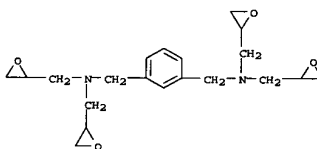


CM 2

CRN 63738-22-7

CMF C20 H28 N2 O4

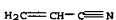
L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 3

CRN 107-13-1

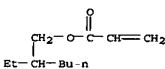
CMF C3 H3 N



CM 4

CRN 103-11-7

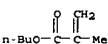
CMF C11 H20 O2



CM 5

CRN 97-88-1

CMF C8 H14 O2



CM 6

CRN 79-41-4

CMF C4 H6 O2

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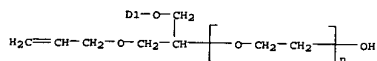
L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 174916-58-6 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, butyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

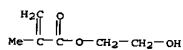
CM 1

CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, FMS

D1- (CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

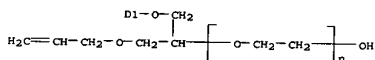
CRN 868-77-9  
 CMF C6 H10 O3



CM 3

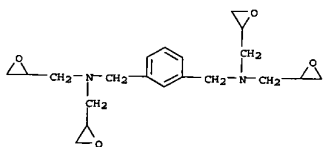
CRN 141-32-2  
 CMF C7 H12 O2

L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

D1- (CH<sub>2</sub>)<sub>8</sub>-Me

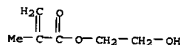
CM 2

CRN 63738-22-7  
 CMF C20 H28 N2 O4



CM 3

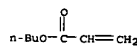
CRN 868-77-9  
 CMF C6 H10 O3



CM 4

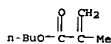
CRN 141-32-2  
 CMF C7 H12 O2

L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4

CRN 97-88-1  
 CMF C8 H14 O2



CM 5

CRN 79-41-4  
 CMF C4 H6 O2

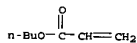


RN 174974-41-5 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, butyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and N,N,N',N'-tetrakis(oxiranylmethyl)-1,3-benzenedimethanamine (9CI) (CA INDEX NAME)

CM 1

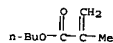
CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, FMS

L4 ANSWER 369 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 5

CRN 97-88-1  
 CMF C8 H14 O2



CM 6

CRN 79-41-4  
 CMF C4 H6 O2

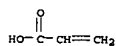


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Kamal Saeed

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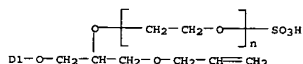
L4 ANSWER 371 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 175220-82-3 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, polymer with 2-ethylhexyl 2-propenoate, methyl 2-methyl-2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-sulfo-.omega.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethoxy]poly(oxy-1,2-ethanediyl) ammonium salt (9CI) (CA INDEX NAME)

CM 1

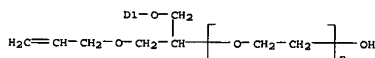
CRN 113405-85-9  
 CMP (C2 H4 O)n C21 H34 O6 S . H3 N  
 CCI IDS, PMS

D1- (CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

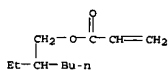
CRN 111144-60-6  
 CMP (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

L4 ANSWER 371 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

D1- (CH<sub>2</sub>)<sub>8</sub>-Me

CM 3

CRN 103-11-7  
 CMP C11 H20 O2



CM 4

CRN 80-62-6  
 CMP C5 H8 O2



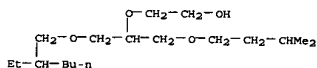
CM 5

CRN 79-41-4  
 CMP C4 H6 O2



L4 ANSWER 371 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 372 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:145509 CAPLUS  
 DOCUMENT NUMBER: 124:205623  
 TITLE: Selective synthesis of aliphatic ethylene glycol sulfonate surfactants  
 AUTHOR(S): Gautun, Odd R.; Carlsen, Per H. J.; Møldal, Trygve; Vikane, Olav; Gilje, Eimund  
 CORPORATE SOURCE: Inst. Organic Chem., Univ. Trondheim-NTH, Trondheim, N-7034, Norway  
 SOURCE: Acta Chemica Scandinavica (1996), 50(2), 170-7  
 CODEN: ACHSE7; ISSN: 0904-213X  
 PUBLISHER: Munksgaard  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The selective synthesis of a series of components in a com. surfactant mixt. was studied. The general structure of the surfactant was a glycerol-based double chain monosulfonate mol., with a C8-Guerbet alc. (2-ethylhexanol) at C-1, a pentyloxy group at C-3, and a 3-oxypropane-1-sulfonic acid or an ethoxylated 3-oxypropane-1-sulfonic acid side chain at the C-2 position. The main chain alc. was obtained by a base-catalyzed reaction of 2-ethylhexyl glycidyl ether with a pentyl alc. High C-3 selectivity was obtained. Two methods were used for the construction of the ethoxylated side chain at C-2. A sequence consisting of O-allylation followed by ozonolysis and NaBH<sub>4</sub> treatment gave good yields of the desired ethoxylated homologs. A shorter, more efficient method involved the reaction with 1,2-ethylene sulfate. This method gave the ethoxylated homologs with high selectivity and in high yields. O-Propane sulfonation was accomplished by the reaction of the appropriate alkoxides with 1,3-propane sultone. The pure sodium sulfonates were isolated in good overall yields by continuous extn. with hexane or di-Et ether.  
 IT 174719-42-7P 174719-47-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; synthesis of aliph. ethylene glycol sulfonate surfactants)  
 RN 174719-42-7 CAPLUS  
 CN Ethanol, 2-[(2-ethylhexyl)oxy]-1-[(2-methylbutoxy)methyl]ethoxy]- (9CI)  
 (CA INDEX NAME)

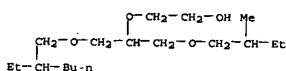


RN 174719-47-2 CAPLUS  
 CN Ethanol, 2-[(2-ethylhexyl)oxy]-1-[(2-methylbutoxy)methyl]ethoxy]- (9CI)  
 (CA INDEX NAME)

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L4 ANSWER 372 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



L4 ANSWER 373 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:138168 CAPLUS  
 DOCUMENT NUMBER: 124:263502  
 TITLE: Compositions for ultraviolet-curable protective coatings of optical disks  
 INVENTOR(S): Honma, Yoko; Shida, Yasuhiko  
 PATENT ASSIGNEE(S): Tosoh Corp, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07330845	A2	19951219	JP 1994-122828	19940603

PRIORITY APPLN. INFO.: JP 1994-122828 19940603

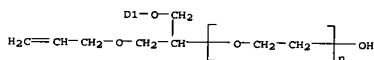
AB Title compns. contain (A) p-C<sub>9</sub>H<sub>19</sub>C<sub>6</sub>H<sub>4</sub>OCH<sub>2</sub>CH(CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>)nOX (X = H, SO<sub>3</sub>NH<sub>4</sub>; n = 10-30) or quaternary ammonium salt-contg. antistatic plasticizers, (B) phenylketone skeleton-having quaternary ammonium salts, (C) storeq.1 OH group- and .storeq.1 unsatd. group-contg. compds., (D) (meth)acrylate esters, and (E) photopolym. initiators. The compns. are curable under the atm. and give protective coating films with good antistatic property and storage stability. Thus, a compn. contg. Adeka Reseap NE 10 50, Kayacure BTC (quaternary ammonium salt) 30, 2-hydroxypropyl acrylate 50, dipentaerythritol hexaacrylate 350, polyethylene glycol diacrylate 400, 1,6-hexanediol diacrylate 100, tetrahydrofurfuryl acrylate 100, 2-hydroxy-2-methyl-1-phenylpropane-1-one 50, and leveling agent 1 g was applied on a polycarbonate optical magnetic disk substrate and irradiated with UV to give a protective coating film with good antistatic property and durability.

IT 175394-67-9P 175394-68-0P  
 RL: IMP (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 ((meth)acrylate compns. for UV-curable protective coatings of optical disks)

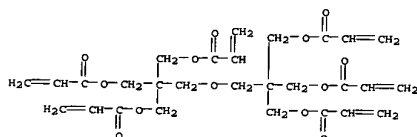
RN 175394-67-9 CAPLUS  
 CN 2-Propenoic acid, 1,6-hexanediyl ester, polymer with 2-hydroxyethyl 2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), .alpha.-[1-oxo-2-propenyl]-.omega.-[1-oxo-2-propenyl]oxypoly(oxy-1,2-ethanediyl), 2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[1-oxo-2-propenyl]oxy]methyl]propoxy]methyl]-2-[[1-oxo-2-propenyl]oxy]methyl]-1,3-propanediyl di-2-propenoate and (tetrahydro-2-furanyl)methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1  
 CRN 111144-60-6  
 CMP (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

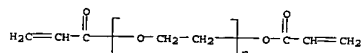
L4 ANSWER 373 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2  
 CRN 29570-58-9  
 CMP C28 H34 O13

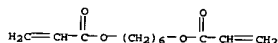


CM 3  
 CRN 26570-48-9  
 CMP (C2 H4 O)n C6 H6 O3  
 CCI PMS

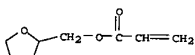


CM 4  
 CRN 13048-33-4  
 CMP C12 H18 O4

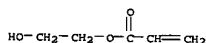
L4 ANSWER 373 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 5  
 CRN 2399-48-6  
 CMP C8 H12 O3



CM 6  
 CRN 818-61-1  
 CMP C5 H8 O3



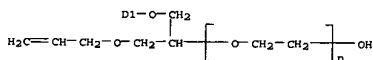
RN 175394-68-0 CAPLUS  
 CN 2-Propenoic acid, 1,6-hexanediyl ester, polymer with 2-hydroxypropyl 2-propenoate, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), .alpha.-[1-oxo-2-propenyl]-.omega.-[1-oxo-2-propenyl]oxypoly(oxy-1,2-ethanediyl), 2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[1-oxo-2-propenyl]oxy]methyl]propoxy]methyl]-2-[[1-oxo-2-propenyl]oxy]methyl]-1,3-propanediyl di-2-propenoate and (tetrahydro-2-furanyl)methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1  
 CRN 111144-60-6  
 CMP (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

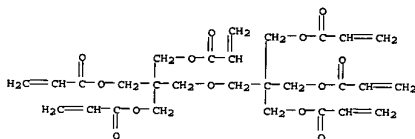
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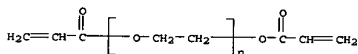
L4 ANSWER 373 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 2

CRN 29570-58-9  
CMF C28 H34 O13

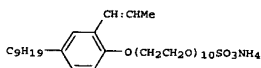
CM 3

CRN 26570-48-9  
CMF (C2 H4 O)<sub>n</sub> C6 H6 O3  
CCI PMS

CM 4

CRN 13048-33-4

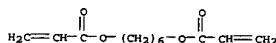
L4 ANSWER 374 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1996:124147 CAPLUS  
 DOCUMENT NUMBER: 124:178061  
 TITLE: Preparation of graft copolymer latexes, and thermoplastic resin compositions containing the copolymers  
 INVENTOR(S): Endo, Shigeru; Yamanaka, Toshinori  
 PATENT ASSIGNEE(S): Asahi Chemical Ind, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 JP 07324115 A2 19951212 JP 1994-139723 19940531  
 PRIORITY APPLN. INFO.: JP 1994-139723 19940531  
 GI



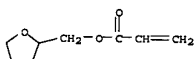
AB Title latexes are prepd. by emulsion-graft-polymerization. (A) 20-90% [based on total components except for (B)] vinyl cyanide monomers and arom. vinyl monomers and/or (meth)acrylate ester monomers in the presence of (B) 10-70% (as solid) conjugated diene rubber latexes and (C) 0.05-5.0 parts (based on 100 parts [(A) + (B)]) radical-polymerizable double bond-contg. emulsifiers. Rubber-reinforced thermoplastic resin compns. contain the above graft copolymers and copolymers prepd. from 20-90% vinyl cyanide compds. and arom. vinyl compds. and/or (meth)acrylate ester compds. (rubber content 10-30%). The latexes show less coagulating, good mech. stability, and foaming resistance, and the compns. exhibit good impact and mold-staining resistance and gloss. Thus, powd. graft copolymer [obtained from a latex prepd. from acrylonitrile 36, styrene 24, polybutadiene latex 40 (as solid), and emulsifier I 0.5 part] 75, 40:60 acrylonitrile-styrene copolymer 25, and ethylenebisstearamide 1.0 part were pelletized to give a compn.  
 IT 174143-93-2  
 RL: MOA (Modifier or additive use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)  
 (emulsifying agent; prepn. of graft copolymer latexes with less coagulating and thermoplastic resin compns. contg. graft copolymers)  
 RN 174143-93-2 CAPLUS  
 CN Poly(oxy-1,2-ethanediyl),  
 .alpha.-[1-[(4-nonylphenoxy)methyl]-2-[(1-oxo-2-propenyl)oxy]ethyl]-.omega.-hydroxy- (9CI) (CA INDEX NAME)

L4 ANSWER 373 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

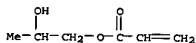
CMF C12 H18 O4



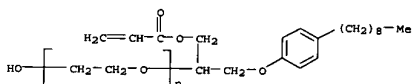
CM 5

CRN 2399-48-6  
CMF C8 H12 O3

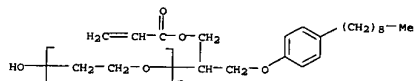
CM 6

CRN 999-61-1  
CMF C6 H10 O3

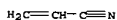
L4 ANSWER 374 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



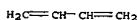
IT 174143-99-8P  
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)  
 (prepn. of graft copolymer latexes with less coagulating and thermoplastic resin compns. contg. graft copolymers)  
 RN 174143-99-8 CAPLUS  
 CN 2-Propenenitrile, polymer with 1,3-butadiene, ethenylbenzene and .alpha.-[1-[(4-nonylphenoxy)methyl]-2-[(1-oxo-2-propenyl)oxy]ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), graft (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 174143-93-2  
 CMF (C2 H4 O)<sub>n</sub> C21 H32 O4  
 CCI PMS



CM 2

CRN 107-13-1  
CMF C3 H3 N

CM 3

CRN 106-99-0  
CMF C4 H6

CM 4

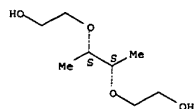
CRN 100-42-5

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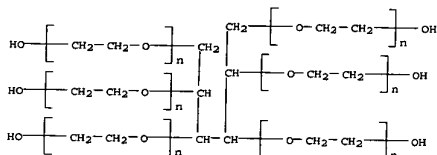
L4 ANSWER 376 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
Absolute stereochemistry.



L4 ANSWER 377 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1996:67410 CAPLUS  
DOCUMENT NUMBER: 124:177208  
TITLE: Sulfonated polyol acrylates as reactive emulsifiers for emulsion polymerization of radically polymerizable compounds  
INVENTOR(S): Onodera, Sho; Yamamoto, Satoshi; Nomura, Hideyuki; Takahashi, Hideki  
PATENT ASSIGNEE(S): Nippon Oils & Fats Co Ltd, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JPKXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07284644	A2	19951031	JP 1994-100679	19940414
PRIORITY APPLN. INFO.: JP 1994-100679 19940414				
AB The agents consist of sulfonated (XO)(YO)nAOCOCH:CH2 (A = polyol residue; X = methacryloyl, allyl, methallyl; Y = C1-24 acyl, C1-24 hydrocarbon group, H; n = 0-10). Thus, 327 g 284:148.6 glycidyl methacrylate-acrylic acid adduct was treated with 328 g dodecanoyl chloride and 400 g of the resulting product was sulfonated with 109 g NaHSO3 to give the title emulsifier. An aq. soln. of the emulsifier was used for emulsion polymn. of Et acrylate and Me methacrylate to give a polymer coating showing good water resistance.				
IT 173522-72-ODP, sulfonated				
RL: IMP (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)				
(manuf. as reactive emulsifiers for emulsion polymn. of radically polymerizable compds.)				
RN 173522-72-0 CAPLUS				
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, ether with D-glucitol (6:1), monoacetate monotetradecanoate, 2-methyl-2-propenoate 2-propenoate (9CI) (CA INDEX NAME)				
CM 1				
CRN 53694-15-8				
CMP (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C6 H14 O6				
CCI PMS				

L4 ANSWER 377 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



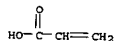
CM 2  
CRN 544-63-8  
CMP C14 H28 O2

HO2C-(CH2)12-Me

CM 3  
CRN 79-41-4  
CMP C4 H6 O2



CM 4  
CRN 79-10-7  
CMP C3 H4 O2



CM 5  
CRN 64-19-7  
CMP C2 H4 O2

L4 ANSWER 377 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

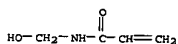


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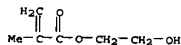


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L4 ANSWER 380 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



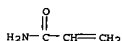
CM 5

CRN 868-77-9  
CMF C6 H10 O3

CM 6

CRN 108-31-6  
CMF C4 H2 O3

CM 7

CRN 79-06-1  
CMF C3 H5 N O

CM 8

CRN 57-13-6  
CMF C H4 N2 O

CM 9

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:13526 CAPLUS  
DOCUMENT NUMBER: 124:119571  
TITLE: Manufacture of acrylic emulsion-based pressure-sensitive adhesives and adhesive tapes or sheets for surface protection  
INVENTOR(S): Kawabata, Kazuhiro; Numata, Norio  
PATENT ASSIGNEE(S): Sekisui Chemical Co Ltd, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.  
CODEN: JXXXXP  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07278233	A2	19951024	JP 1994-74877	19940413
US 5620796	A	19970415	US 1995-419532	19950410

PRIORITY APPLN. INFO.: JP 1994-74877 19940413  
AB The adhesives are manufd. by emulsion polymn. of mixts. composed of (A) 100 parts monomer mixts. comprising 90-98% C4-14-alkyl (meth)acrylates and 2-10% (meth)acrylic acids, N-vinylpyrrolidone (I), or N-vinylcaprolactam, (B) 0.5-2 parts surfactant mixts. comprising 0.3-1.0 part R1C6H3 (CH:CHMe)O(AO)NSO3M or R2C6H4OCH2CH(CH2OCH2CH:CH2)(OA)MOSO3M (R1, R2 = C6-18 alkyl, alkenyl, aralkyl; m, n = 8-40; A = C2-4 alkene, substituted alkyl; M = alkali metal, ammonium, alkanolamine ion) and 0.2-1.5 parts nonionic surfactants, and (C) 0.03-0.5 part polymn. initiators. Thus, a mixt. of Bu acrylate 94, acrylic acid 2, methacrylic acid 2, 1 2, Aqualon HS 20 0.6, Adeka Reasoap NE 10 0.4, dodecyl mercaptan 0.08, ammonium persulfate 0.08, and H2O 82 parts was added dropwise to H2O contg. ammonium persulfate at 70.degree. for 3 h and heated at 90.degree. for 2 h to give an acrylic emulsion, which was neutralized with ammonia and blended with 0.2 part Chemitite D2 22E to give an adhesive. A PET film was corona-treated, coated with the adhesive, and dried to give an adhesive sheet showing adhesion 1080 g/20 mm to a stainless steel plate and 830 to a polypropylene board and good water resistance.  
IT 1731075-34-8P 1731075-89-6P 1731075-91-0P 1731075-93-2P 1731075-93-4P 1731075-93-6P 1731075-93-8P  
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(manuf. of acrylic emulsion adhesives for water-resistant adhesive tapes or sheets)  
RN 1731075-34-8 CAPLUS  
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, N,N'-(methylenedi-4,1-phenylene)bis[1-aziridinecarboxamide], .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid and .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt, ammonium salt (SCI) (CA INDEX NAME)  
CM 1  
CRN 1731075-33-7  
CMF (C19 H20 N4 O2 . C7 H12 O2 . C6 H9 N O . C4 H6 O2 . C3 H4 O2 . (C2

L4 ANSWER 380 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CRN 50-00-0  
CMF C H2 O

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

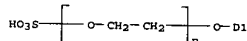
O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x  
CCI PMS

CM 2

CRN 112908-88-2  
CMF (C2 H4 O)n C18 H28 O4 S . H3 N  
CCI IDS, PMS

D1-(CH2)8-Me

D1-CH2-CH=CH2

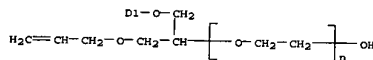


● NH3

CM 3

CRN 111144-60-6  
CMF (C2 H4 O)n C21 H34 O3  
CCI IDS, PMS

D1-(CH2)8-Me

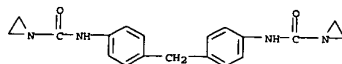


CM 4

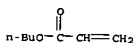
Kamal Saeed

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L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CRN 7417-99-4  
 CMF C19 H20 N4 O2



CM 5  
 CRN 141-32-2  
 CMF C7 H12 O2



CM 6  
 CRN 88-12-0  
 CMF C6 H9 N O



CM 7  
 CRN 79-41-4  
 CMF C4 H6 O2

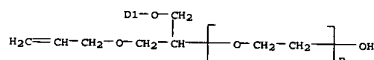


CM 8  
 CRN 79-10-7  
 CMF C3 H4 O2

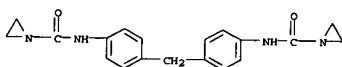
L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS



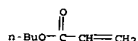
D1-(CH2)8-Me



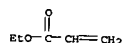
CM 4  
 CRN 7417-99-4  
 CMF C19 H20 N4 O2



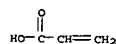
CM 5  
 CRN 141-32-2  
 CMF C7 H12 O2



CM 6  
 CRN 140-88-5  
 CMF C5 H8 O2



L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 173107-89-6 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, ethyl 2-propenoate, N,N'-(methylenedi-4,1-phenylene)bis[1-aziridinecarboxamide], .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid and .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 173107-88-5  
 CMF (C19 H20 N4 O2 . C7 H12 O2 . C6 H9 N O . C5 H8 O2 . C4 H6 O2 . C3 H4 O2 . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x  
 CCI PMS

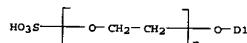
CM 2

CRN 112908-98-2  
 CMF (C2 H4 O)n C18 H28 O4 S . H3 N  
 CCI IDS, PMS



D1-(CH2)8-Me

D1-CH2-CH=CH2



● NH3

CM 3

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 7

CRN 88-12-0  
 CMF C6 H9 N O



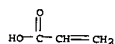
CM 8

CRN 79-41-4  
 CMF C4 H6 O2



CM 9

CRN 79-10-7  
 CMF C3 H4 O2



RN 173107-91-0 CAPLUS  
 CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenylhexahydro-2H-azepin-2-one, N,N'-(methylenedi-4,1-phenylene)bis[1-aziridinecarboxamide], .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid and .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 173107-90-9  
 CMF (C19 H20 N4 O2 . C8 H13 N O . C7 H12 O2 . C4 H6 O2 . C3 H4 O2 . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x  
 CCI PMS

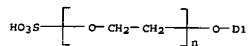
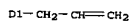
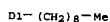
CM 2

CRN 112908-98-2  
 CMF (C2 H4 O)n C18 H28 O4 S . H3 N  
 CCI IDS, PMS

Kamal Saeed

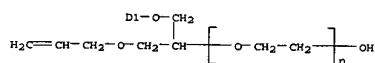
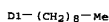
10149139

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 3

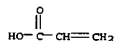
CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS



CM 4

CRN 7417-99-4  
 CMF C19 H20 N4 O2

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 173107-93-2 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid and .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt, ammonium salt (9CI) (CA INDEX NAME)

CM 1

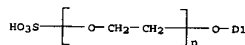
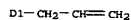
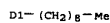
CRN 173107-92-1

CMF (C7 H12 O2 . C6 H9 N O . C4 H6 O2 . C3 H4 O2 . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x  
 CCI PMS

CM 2

CRN 112908-98-2

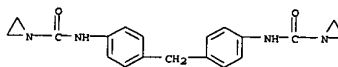
CMF (C2 H4 O)n C18 H28 O4 S . H3 N  
 CCI IDS, PMS



CM 3

CRN 111144-60-6  
 CMF (C2 H4 O)n C21 H34 O3  
 CCI IDS, PMS

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



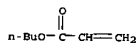
CM 5

CRN 2235-00-9  
 CMF C8 H13 N O



CM 6

CRN 141-32-2  
 CMF C7 H12 O2



CM 7

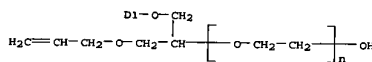
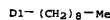
CRN 79-41-4  
 CMF C4 H6 O2



CM 8

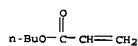
CRN 79-10-7  
 CMF C3 H4 O2

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 4

CRN 141-32-2  
 CMF C7 H12 O2



CM 5

CRN 88-12-0  
 CMF C6 H9 N O



CM 6

CRN 79-41-4  
 CMF C4 H6 O2

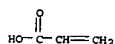


CM 7

CRN 79-10-7

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L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CMF C3 H4 O2

RN 173294-93-4 CAPLUS  
CN 2-Propenoic acid, 2-methyl-, polymer with 1-ethenyl-2-pyrrolidinone, 2-ethylhexyl 2-propenoate, N,N'-(methylenedi-4,1-phenylene)bis[1-aziridinecarboxamide], .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid and .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 173294-92-3

CMF (C19 H20 N4 O2 . C11 H20 O2 . C6 H9 N O . C4 H6 O2 . C3 H4 O2 . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N)x

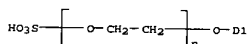
CCI PMS

CM 2

CRN 112908-98-2

CMF (C2 H4 O)n C18 H28 O4 S . H3 N

CCI IDS, PMS

D1-(CH<sub>2</sub>)<sub>8</sub>-MeD1-CH<sub>2</sub>-CH=CH<sub>2</sub>

CM 3

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 7

CRN 79-41-4

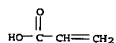
CMF C4 H6 O2



CM 8

CRN 79-10-7

CMF C3 H4 O2



RN 173324-74-8 CAPLUS  
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, 1-ethenyl-2-pyrrolidinone, .alpha.-[1-[(nonylphenoxy)methyl]-2-(2-propenyloxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), 2-propenoic acid, .alpha.-sulfo-.omega.-[nonyl(2-propenyl)phenoxy]poly(oxy-1,2-ethanediyl) ammonium salt and Ucarlink XL 295E, ammonium salt (9CI) (CA INDEX NAME)

CM 1

CRN 173324-73-7

CMF (C7 H12 O2 . C6 H9 N O . C4 H6 O2 . C3 H4 O2 . (C2 H4 O)n C21 H34 O3 . (C2 H4 O)n C18 H28 O4 S . H3 N . Unspecified)x

CCI PMS

CM 2

CRN 148619-48-1

CMF Unspecified

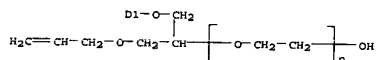
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3

CRN 112908-98-2

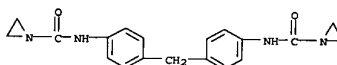
CMF (C2 H4 O)n C18 H28 O4 S . H3 N

L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CRN 111144-60-6  
CMF (C2 H4 O)n C21 H34 O3  
CCI IDS, PMSD1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 4

CRN 7417-99-4

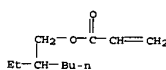
CMF C19 H20 N4 O2



CM 5

CRN 103-11-7

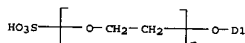
CMF C11 H20 O2



CM 6

CRN 88-12-0

CMF C6 H9 N O

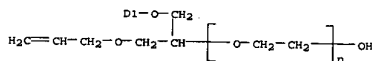
L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CCI IDS, PMSD1-(CH<sub>2</sub>)<sub>8</sub>-MeD1-CH<sub>2</sub>-CH=CH<sub>2</sub>

CM 4

CRN 111144-60-6

CMF (C2 H4 O)n C21 H34 O3

CCI IDS, PMS

D1-(CH<sub>2</sub>)<sub>8</sub>-Me

CM 5

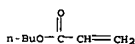
CRN 141-32-2

CMF C7 H12 O2

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L4 ANSWER 381 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



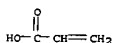
CM 6  
CRN 88-12-0  
CMP C6 H9 N O



CM 7  
CRN 79-41-4  
CMP C4 H6 O2

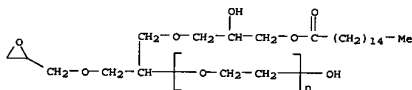


CM 8  
CRN 79-10-7  
CMP C3 H4 O2

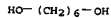


L4 ANSWER 382 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
CN 1,2,4-Benzenetricarboxylic acid, polymer with 1,2-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 1,6-hexanediol and .alpha.-[1-[[2-hydroxy-3-[(1-oxohexadecyl)oxy]propoxy]methyl]-2-(oxiranylmethoxy)ethyl]-.omega.-hydroxypoly(oxy-1,2-ethanediyl), ammonium salt (9CI) (CA INDEX NAME)

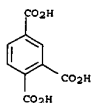
CM 1  
CRN 172360-28-0  
CMP (C9 H6 O6 . C8 H6 O4 . C6 H14 O2 . C6 H10 O4 . C5 H12 O2 . (C2 H4 O)n)  
CCI C25 H48 O7)x  
PMS  
CM 2  
CRN 172027-57-5  
CMP (C2 H4 O)n C25 H48 O7  
CCI PMS



CM 3  
CRN 629-11-8  
CMP C6 H14 O2



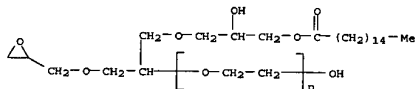
CM 4  
CRN 528-44-9  
CMP C9 H6 O6



CM 5

L4 ANSWER 382 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:986760 CAPLUS  
DOCUMENT NUMBER: 124:58648  
TITLE: Laminated polyester films  
INVENTOR(S): Miura, Sadami; Kitazawa, Satoshi  
PATENT ASSIGNEE(S): Teijin Ltd, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

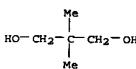
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07256845	A2	19951009	JP 1994-53566	19940324
PRIORITY APPL. INFO.: JP 1994-53566 19940324				
AB Polyester films are coated .gtoreq.1 side with water-based coatings with resistance to water and blocking and contg. water-based binders 40-96.5, .gtoreq.1 oxysilane group-contg. reactive surfactants 3-30, and substances contg. CO2H and/or their thermal dissociative salts 0.5-30%. Thus, PET (polyester) film was drawn, gravure coated with 4% water-based soln. of a compn. comprising 26:40:30:4:15:80:5 (mol%) terephthalic acid-2,6-naphthalenedicarboxylic acid-isophthalic acid-5-sodiumsulfonate-isophthalic acid-ethylene glycol-neopentyl glycol-1,4-cyclohexanedimethanol copolymer 70, QO(C2H4O)m(C3H6O)n(C2H4O)sH (m = 6, n = 7, s = 6; Q = glycidyl) 20, and 69:11:20:90:10 (mol.%) phthalic acid-trimellitic acid-adipic acid-neopentyl glycol-1,6-hexanediol copolymer NH3 salt 10%, dried, drawn, and heated at 230.degree. to give a test piece with good adhesion to magnetic coating.				
IT 172027-57-5D, reaction products with carboxyl-terminated adipic acid-dimethylolpropionic acid-neopentyl glycol copolymer 172360-29-1				
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (polyester films coated with water- and blocking-resistant coatings contg. binders, oxysilane reactive surfactants and CO2H-contg. compds.)				
RN 172027-57-5 CAPLUS				
CN Poly(oxy-1,2-ethanediyl), .alpha.-[1-[[2-hydroxy-3-[(1-oxohexadecyl)oxy]propoxy]methyl]-2-(oxiranylmethoxy)ethyl]-.omega.-hydroxy-(9CI) (CA INDEX NAME)				



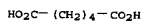
RN 172360-29-1 CAPLUS

L4 ANSWER 382 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

CM 126-30-7  
CMP C5 H12 O2



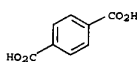
CM 6  
CRN 124-04-9  
CMP C6 H10 O4



CM 7  
CRN 88-99-3  
CMP C8 H6 O4



Kamal Saeed



10149139

L4 ANSWER 385 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:916432 CAPLUS  
 DOCUMENT NUMBER: 123:314034  
 TITLE: Improved synthesis of bisindolylmaleimides.  
 INVENTOR(S): Paul, Margaret Mary; Heath, William Francis, Jr.; Jirousek, Michael Robert; McDonald, John Hampton, Jr.  
 III: Rito, Christopher John; Winneroaki, Leonard Larry, Jr.  
 PATENT ASSIGNEE(S): Lilly, Eli, and Co., USA  
 SOURCE: Eur. Pat. Appl., 19 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 7  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 657411	A1	19950614	EP 1994-308948	19941202
EP 657411	B1	19990609		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
US 5541347	A	19960730	US 1994-317140	19941003
US 5698578	A	19971216	US 1996-734292	19961021
			US 1993-163060	A 19931207
			US 1994-317140	A 19941003
			US 1994-316973	B2 19941003
			US 1995-457060	A1 19950601
OTHER SOURCE(S):			CASREACT 123:314034; MARPAT 123:314034	
GI				

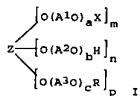
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention provides a novel synthesis of macrocyclic title compds. I [Z = (CH<sub>2</sub>)<sub>n</sub>; R = H, halo, alkyl, OH, alkoxy, haloalkyl, NO<sub>2</sub>, NR<sub>5</sub>R<sub>6</sub>, alkanoylamino; R<sub>1</sub> = alkyl, alkoxy, OH, CO<sub>2</sub>H, cyano, SH, (un)substituted NH<sub>2</sub>, etc.; m = 0-3; n = 1-3], which are known antagonists of protein kinase C (PKC). The compds. are produced in high yield and without expensive chromatog. sepns. via the novel linking-group intermediates II [R<sub>2</sub> = N<sub>3</sub>, protected NH<sub>2</sub> or protected OH; L<sub>1</sub> = leaving groups; Z = (CH<sub>2</sub>)<sub>n</sub>; n = 1-3]. The synthesis is particularly advantageous because it is stereoselective. For example, (S)-O-tritylglycidol reacted with vinylmagnesium bromide and CuI to give 96% (S)-CH<sub>2</sub>-CH(CH<sub>2</sub>OH)-CH<sub>2</sub>OCPh<sub>3</sub>, which reacted with NaH and allyl bromide to give 98% diolefin (S)-CH<sub>2</sub>-CH(CH<sub>2</sub>CH(CH<sub>2</sub>OCPh<sub>3</sub>))CH<sub>2</sub>CH<sub>2</sub>. This underwent ozonolysis and redn. with NaBH<sub>4</sub> to give 100% diol, which was converted to 88% key intermediate (S)-II [ZR<sub>2</sub> = CH<sub>2</sub>OCPh<sub>3</sub>, L<sub>1</sub> = MeSO<sub>3</sub>, n = 1]. This underwent cyclization with 2,3-bis(1H-indol-3-yl)-N-methylmaleimide in DMF contg. Cs<sub>2</sub>CO<sub>3</sub> under high-diln. conditions to give 57% cyclized product III, which was converted in 5 steps to target compd. (S)-I [R = H, m = 0, n = 1, ZR<sub>1</sub> = CH<sub>2</sub>NMe<sub>2</sub>].

IT 170277-79-9P 170277-85-7P, 3-(2-Hydroxyethoxy)-4-

L4 ANSWER 386 OF 416 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1995:905716 CAPLUS  
 DOCUMENT NUMBER: 124:95599  
 TITLE: Cement additives  
 INVENTOR(S): Hara, Tadaaki; Kinoshita, Seigo; Pponda, Susumu  
 PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JIKXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07215746	A2	19950815	JP 1994-201498	19940803
PRIORITY APPLN. INFO.:			JP 1993-339747	19931206
GI				



AB The additives contain 100 parts of (free acids or salts of) copolymers of maleic anhydride and polyoxyalkylene deriv. I [Z = OH group-removed residue of compds. having 2-8 OH groups; A<sup>1</sup>-3O = C<sub>2</sub>-8 oxyalkylene; X = C<sub>2</sub>-5 unsatd. hydrocarbon or unsatd. acyl; R = C<sub>1</sub>-40 hydrocarbon; a, b, c = 0, integer of 1-150; m = 1, 2; p = integer of 1-7; m + n + p = 2-8; n/(m + p) .ltoreq. 1/2; am + bn + cp .gtoreq. 1]; and 0.01-5 parts of polyoxyalkylene deriv. YO(R<sub>1</sub>O)d(C<sub>2</sub>H<sub>4</sub>O)e(R<sub>2</sub>O)fH [Y = C<sub>8</sub>-22 hydrocarbon; R<sub>1</sub>-2O = oxypropylene, oxybutylene; d, f = 0, integer of 1-50; e = integer of 1-20; d = f .noteq. 0]. The admixts. show high water-reducing effects, and high slump loss prevention, and are capable of adjusting of air amt. introduced into kneading cement.

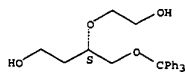
IT 172083-09-9  
 RL: TEM (Technical or engineered material use); USES (Uses) (cement additives contg. polyoxyalkylenes and their copolymers)

RN 172083-09-9 CAPLUS  
 CN 2-Butenedioic acid (2Z)-, diammonium salt, polymer with alpha.-hydro.-omega.-hydroxy[poly(oxy-1,2-ethanediyl)] ether with 1-O-2-propenylnhexitol (5:1), trimethyl ether (9CI) (CA INDEX NAME)

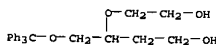
CM 1  
 CRN 119278-96-5  
 CMP (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> (C<sub>2</sub> H<sub>4</sub> O)<sub>n</sub> C<sub>12</sub> H<sub>24</sub> O<sub>6</sub>  
 CCI PMS

L4 ANSWER 385 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)  
 (triphenylmethoxy)-1-butanol  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; improved prepn. of bisindolylmaleimides)  
 RN 170277-79-9 CAPLUS  
 CN 1-Butanol, 3-(2-hydroxyethoxy)-4-(triphenylmethoxy)-, (3S)- (9CI) (CA INDEX NAME)

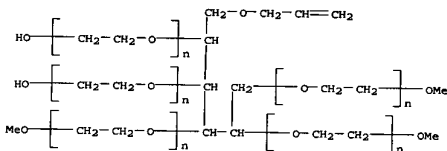
Absolute stereochemistry. Rotation (-).



RN 170277-85-7 CAPLUS  
 CN 1-Butanol, 3-(2-hydroxyethoxy)-4-(triphenylmethoxy)- (9CI) (CA INDEX NAME)



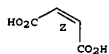
L4 ANSWER 386 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

CRN 23705-99-9  
 CMP C<sub>4</sub> H<sub>4</sub> O<sub>4</sub> . 2 H<sub>3</sub> N

Double bond geometry as shown.



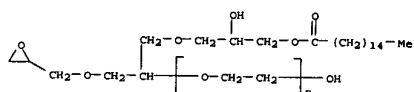
●2 NH<sub>3</sub>

Kamal Saeed

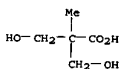
Kamal Saeed

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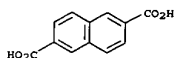
L4 ANSWER 387 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



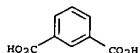
CM 4

CRN 4767-03-7  
CMP C5 H10 O4

CM 5

CRN 1141-38-4  
CMP C12 H8 O4

CM 6

CRN 121-91-5  
CMP C8 H6 O4

CM 7

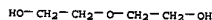
CRN 111-46-6

L4 ANSWER 388 OF 416 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1995:902566 CAPLUS  
DOCUMENT NUMBER: 123:114033  
TITLE: Preparation of bis(indolyl)maleimide macrocycles as .beta.-isoenzyme selective protein kinase C inhibitors.  
INVENTOR(S): Heath, William Francis, Jr.; Jirousek, Michael  
Robert;  
PATENT ASSIGNEE(S): McDonald, John Hampton, III; Rito, Christopher John  
Lilly, Eli, and CO., USA  
SOURCE: Eur. Pat. Appl., 70 pp.  
CODEN: EPXKDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 7  
PATENT INFORMATION:

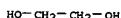
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 657458	B1	19950614	EP 1994-308947	19941202
EP 657458	B1	20010822		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CA 2137203	AA	19950608	CA 1994-2137203	19941202
FI 9405706	A	19950608	FI 1994-5706	19941202
NO 9404643	A	19950608	NO 1994-4643	19941202
AU 9479188	A1	19950615	AU 1994-79188	19941202
AU 687909	B2	19980305		
BR 9404831	A	19950808	BR 1994-4831	19941202
JP 07215977	A2	19950815	JP 1994-299399	19941202
CN 1111247	A	19951108	CN 1994-119362	19941202
CN 1050844	B	20000329		
HU 71130	A2	19951128	HU 1994-3468	19941202
HU 219709	B	20010628		
RU 2147304	C1	20000410	RU 1994-42922	19941202
TW 425397	B	20010311	TW 1994-83111226	19941202
AT 204579	E	20010915	AT 1994-308947	19941202
PL 182124	B1	20011130	PL 1994-306084	19941202
ES 2162843	T3	20020116	ES 1994-308947	19941202
BR 9502611	A	19961001	BR 1995-2611	19950531
US 5698578	A	19971216	US 1996-734292	19961021
CN 1220266	A	19990623	CN 1997-126094	19971209
CN 1055089	B	20000802		
HK 1013827	A1	20020705	HK 1998-115199	19981223
FI 2000000516	A	20000307	FI 2000-516	20000307
FI 2001001109	A	20010528	FI 2001-1109	20010528
PRIORITY APPL. INFO.:				
US 1993-163060 A 19931207				
US 1994-316973 A 19941003				
US 1995-457060 A1 19950601				
OTHER SOURCE(S): MARPAT 123:314033				
GI				

L4 ANSWER 387 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

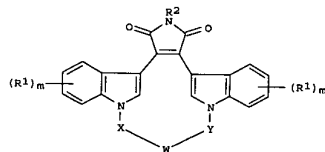
CMP C4 H10 O3



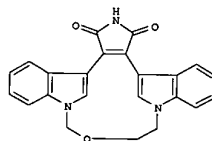
CM 8

CRN 107-21-1  
CMP C2 H6 O2

L4 ANSWER 388 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



I



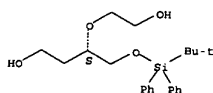
II

AB Title compds. (I; W = O, S, SO, SO2, CO, (substituted) alkylene, alkenylene, arylene, heterocyclylene, CONH, etc.; X, Y = (substituted) alkylene; XYW = (CH2)nA; A = amino acid residue; n = 2-5; R1 = H, halo, alkyl, OH, alkoxy, haloalkyl, NO2, amino, alkylcarbonylamino; R2 = H, Ac, NH2, OH; m = 0-31, were prepd. Thus, 3,4-bis(3'-indolyl)furan-2,5-dione in DMF was treated with NaH and then (BrCH2CH2)2O to give 20% cyclocondensation product, which in DMF was treated with hexamethyldisilazane in MeOH to give 72% title compd. (II). II inhibited protein kinase C .beta.-1 with IC50 = 0.05 .mu.M. I preferentially inhibit the .beta.-isoenzymes by a factor of .gtoreq.10 over other isoenzymes.

IT 169940-44-7P 169940-62-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. of bis(indolyl)maleimide macrocycles as .beta.-isoenzyme selective protein kinase C inhibitors)

RN 169940-44-7 CAPLUS  
CN 1-Butanol,  
4-[[[(1,1-dimethylethyl)diphenylsilyloxy]-3-(2-hydroxyethoxy)-,  
(S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

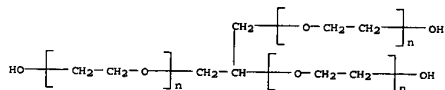


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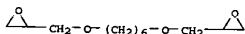
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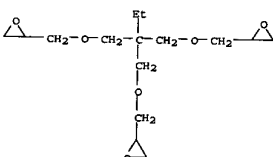
L4 ANSWER 389 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 3

CRN 16096-31-4  
CMF C12 H22 O4

CM 4

CRN 3454-29-3  
CMF C15 H26 O6

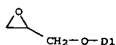
CM 5

CRN 1675-54-3  
CMF C21 H24 O4

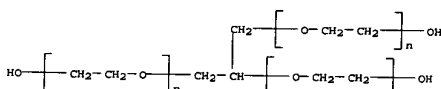
L4 ANSWER 389 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



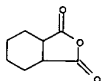
1/2 [D1-CH2-D1]



CM 3

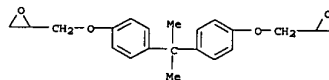
CRN 31694-55-0  
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C3 H8 O3  
CCI PMS

CM 4

CRN 25550-51-0  
CMF C9 H12 O3  
CCI IDS

D1-Me

L4 ANSWER 389 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 6

CRN 85-42-7  
CMF C8 H10 O3

RN 171409-20-4 CAPLUS

CN 1,3-Isobenzofuranidone, hexahydromethyl-, polymer with Adeka EH 220, 2,2'-[methylenebis(phenyleneoxymethylene)]bis[oxirane] and .alpha.,.alpha.,.alpha.'-1,2,3-propanetriyltris[.omega.-hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 52037-99-7  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 39817-09-9  
CMF C19 H20 O4  
CCI IDS

L4 ANSWER 390 OF 416 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:879276 CAPLUS

DOCUMENT NUMBER: 123:296269

TITLE: Skin-cleansing compositions containing polyoxyethylene

hydrogenated castor oil fatty acid esters and surfactants

INVENTOR(S): Uchikawa, Keiichi; Noda, Akira; Nakama, Yasunari;

PATENT ASSIGNEE(S): Myazawa, Kyohei

SOURCE: Shiseido Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKOXAP

DOCUMENT TYPE: Patent

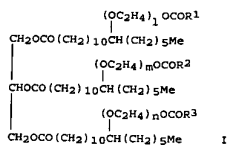
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07206634	A2	19950808	JP 1994-15899	19940113
PRIORITY APPLN. INFO.:			JP 1994-15899	19940113

GI



AB Skin-cleansing compns. contain polyoxyethylene hydrogenated castor oil fatty acid esters 1 [(coreq.1 of R1-3 = (un)satd. higher aliph. hydrocarbon; the rest of R1-3 = H; 1, m, n = integer] and amphoteric surfactants and/or semipolar surfactants. The compns. show good foaming ability and are useful for removal of makeup cosmetics from skin. A compn. contg. 8 wt.% polyoxyethylene hydrogenated castor oil triisostearate, 10 wt.% betaine lauroylidimethylaminoacetate, etc. was formulated.

IT 169685-89-6 169685-90-9

RI: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(skin-cleansing compns. contg. polyoxyethylene hydrogenated castor oil fatty acid esters and amphoteric and/or semipolar surfactants)

RN 169685-89-6 CAPLUS

CN Poly(oxy-1,2-ethanediyl),

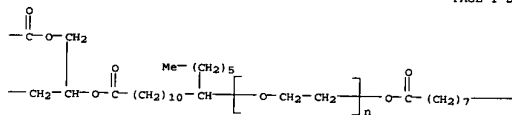
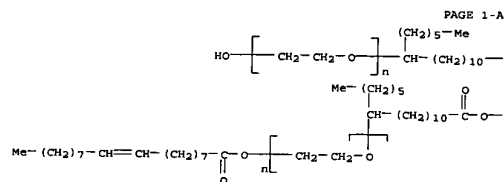
.omega.-hydroxy-.omega.'-.omega.'-bis[(1-oxo-9-

octadecenyl)oxy]-.alpha...alpha.'-.alpha.'-[1,2,3-propanetriyltris[oxy(1-hexyl-12-oxo-12,1-dodecanediyl)]]tris- (9CI) (CA INDEX NAME)

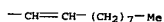
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L4 ANSWER 390 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)

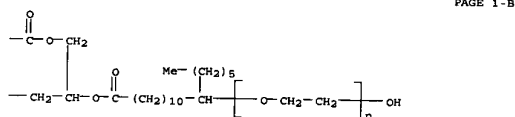
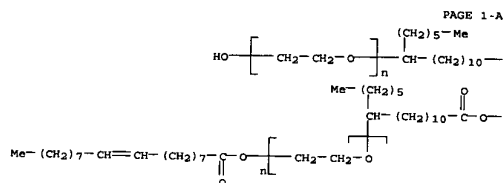


PAGE 1-C



RN 169685-90-9 CAPLUS  
CN Poly(oxy-1,2-ethanediyl), .omega.,.omega.,'-dihydroxy-.omega.,''-[(1-oxo-9-octadecenyl)oxy]-.alpha.,.alpha.,',.alpha.,''-[1,2,3-propanetriyltris[oxy(1-hexyl-12-oxo-12,1-dodecanediyl)]]trise- (9CI) (CA INDEX NAME)

L4 ANSWER 390 OF 416 CAPLUS COPYRIGHT 2003 ACS (Continued)



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LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE  
ENTRY  
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TOTAL  
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY  
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TOTAL  
SESSION  
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Kamal Saeed